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OM nucleic - nucleic search, using sw model

Run on: September 3, 2005, 07:35:04 ; Search time 1164 Seconds
(without alignments)
9637.703 Million cell updates/sec

Title: US-09-721-183-2

Perfect score: 1713

Sequence: 1 atcgcatgcaccaggatga.....gattttcttctcgtgtgac 1713

Scoring table: IDENTITY_NUC

Gapop 10_0 , Gapext 1.0

Searched: 7338684 seqs, 3274456166 residues

Total number of hits satisfying chosen parameters: 14677368

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:**

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- 24: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1694.6	98.9	1712	US-09-981-353-189	Sequence 189, Appl
2	1694.6	98.9	1712	US-10-158-646-42	Sequence 42, Appl
3	1570.6	91.7	2844	US-10-138-846-13134	Sequence 13134, A
4	1452.4	84.8	2799	US-09-880-107-3756	Sequence 3756, Ap
5	1451.4	84.7	1991	US-10-057-834A-1	Sequence 1, Appli
6	1450	84.6	1855	US-09-880-107-2120	Sequence 2120, Ap
7	1450	84.6	1855	US-09-968-007A-368	Sequence 368, Appl

8	1450	84.6	1855	11	US-09-968-007A-735	Sequence 735, App
9	1450	84.6	1855	20	US-10-783-528-57	Sequence 57, Appl
10	1450	84.6	1855	21	US-10-843-641A-6838	Sequence 6838, Ap
11	1450	84.6	1855	21	US-10-843-641A-7205	Sequence 7205, Ap
12	1443.6	84.3	1854	14	US-10-305-522-39	Sequence 39, Appl
13	1436.4	83.9	1714	9	US-09-981-353-193	Sequence 193, Appl
14	1374	80.2	1639	18	US-10-468-125-18	Sequence 18, Appl
15	1354.2	79.1	2092	14	US-10-205-522-7	Sequence 7, Appli
16	1343	78.4	2093	9	US-09-880-107-3842	Sequence 3842, Ap
17	1190.8	69.5	1829	16	US-10-252-157-24	Sequence 24, Appl
18	1188.8	69.4	1976	14	US-10-305-522-112	Sequence 112, App
19	1188.8	69.4	2090	9	US-03-880-107-3292	Sequence 3292, Ap
20	1178	68.8	2150	9	US-09-981-353-45	Sequence 25, Appl
21	1178	68.8	2150	16	US-10-252-157-25	Sequence 25, Appl
22	1154.6	67.4	2123	9	US-09-880-107-3286	Sequence 3286, Ap
23	1128.8	65.9	1413	13	US-10-060-311-1	Sequence 1, Appli
24	1128.8	65.9	1413	19	US-10-778-300-1	Sequence 1, Appli
25	1128.8	65.9	1413	24	US-11-013-907-1	Sequence 1, Appli
26	1075.8	62.8	1614	18	US-10-381-898-24	Sequence 24, Appl
27	1014.2	59.2	1662	18	US-10-307-817-117	Sequence 117, App
28	997.8	58.2	1608	21	US-10-498-788-57	Sequence 57, Appl
29	948.6	55.4	2573	21	US-10-764-420-2410	Sequence 2410, Ap
30	942.8	55.0	1961	9	US-09-917-800A-1403	Sequence 1403, Ap
31	928.6	54.2	1606	17	US-10-042-865-27	Sequence 27, Appl
32	928.6	54.2	1606	18	US-10-072-012-151	Sequence 151, App
33	870.2	50.8	1844	14	US-10-175-523-59	Sequence 59, Appl
34	870.2	50.8	1844	24	US-11-099-266-59	Sequence 59, Appl
35	833	48.6	2634	17	US-10-388-934-169	Sequence 169, App
36	832.6	48.6	1947	18	US-10-152-319A-2121	Sequence 2121, Ap
37	832.6	48.6	1947	21	US-10-486-706-279	Sequence 279, App
38	828.6	48.4	1593	18	US-10-152-319A-1908	Sequence 1908, Ap
39	797	46.5	1224	18	US-10-381-898-32	Sequence 32, Appl
40	751.2	43.9	1756	15	US-10-235-994-27	Sequence 27, Appl
41	744.4	43.5	3006	9	US-09-962-678-1	Sequence 1, Appli
42	744.4	43.5	3006	17	US-10-184-648-38	Sequence 38, Appl
43	742.8	43.4	1636	9	US-09-981-353-165	Sequence 165, App
44	742.8	43.4	1636	17	US-10-258-080-11	Sequence 11, Appl
45	742.8	43.4	1705	18	US-10-114-270-51	Sequence 51, Appl

ALIGNMENTS

RESULT 1
US-09-981-353-189
; Sequence 189, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981.353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 189
; LENGTH: 1712
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 480489.5
US-09-981-353-189

Query Match 98.9%; Score 1694.6; DB 9; Length 1712;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1703; Conservative 0; Mismatches 4; Indels 1; Gaps 1;
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Db 1 ATCCGATGCACGAGGATGACTCTGAATGAGCTTCAGTTCTTCTGCTGATACATCT-CA 59
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; Publication No. US20030073105A1
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; APPLICANT: Lasek, Amy K.W.
; APPLICANT: Sornasse, Thierry
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0030-1 US
; CURRENT APPLICATION NUMBER: US/10/158,646
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: 60/295,239
; PRIOR FILING DATE: 2001-05-31
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PERL Program
; SEQ ID NO 42
; LENGTH: 1712
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20030073105A1 480489.3
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Best Local Similarity 99.7%; Pred. No. 0;
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Db 1080 AAGTGTATCCCGAGAACTCTTCTAGTTCATCAAAACAGAGCTTTTATTAATCTCAT 1139
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RESULT 3

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US-10-198-846-13134
; Sequence 13134, Application US/10198846
; Publication No. US20030099974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steimann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198,846
; PRIOR FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13134
; LENGTH: 2844
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 2824, 2825, 2826, 2827, 2828, 2829, 2830, 2831, 2832, 2833,
; LOCATION: 2834, 2835, 2836, 2837, 2838, 2839, 2840, 2841, 2842, 2843,
; LOCATION: 2844
; OTHER INFORMATION: n = A,T,C or G
US-10-198-846-13134
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Query Match          91.7%; Score 1570.6; DB 14; Length 2844;
Best Local Similarity 96.4%; Pred. NO. 0;
Matches 1628; Conservative 0; Mismatches 59; Indels 2; Gaps 2;
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QY	63	TGTTACTTTAGCTCTGGGAGTTGTGGAAAAGTCTGGTGTGGCCCGCAGAAATACAGCCAT	122
Db	79	TGTTACTTTAGCTCTGGGAGTTGTGGAAAAGTCTGGTGTGGCCCGCAGAAATACAGCCAT	138
QY	123	TGGATGAATATGAAGCAATCTGAAAGAGCTTGTTCAGAGAGGTTCATGAGGTGACTGTA	182
Db	139	TGGATGAATATGAAGCAATCTGAAAGAGCTTGTTCAGAGAGGTTCATGAGGTGACTGTA	198
QY	183	CTGGCATCTTACGCTTCCATTTCTTTTGTATCCCAATGATGCATCCACTTTAAATTTGAA	242
Db	199	CTGGCATCTTACGCTTCCATTTCTTTTGTATCCCAATGATGCATCCACTTTAAATTTGAA	258
QY	243	GTTTATCTTACATCTTTAACTAAAACTGAAATTTGAGAATATCATCATGCAACAGGTTAAG	302
Db	259	GTTTATCTTACATCTTTAACTAAAACTGAAATTTGAGAATATCATCATGCAACAGGTTAAG	318
QY	303	AGATGGTCAGACATTCGAAAAGATAGCTTTTGGTTATATTTTTCACAGAAACAGAAATC	362
Db	319	AGATGGTCAGACATTCGAAAAGATAGCTTTTGGTTATATTTTTCACAGAAACAGAAATC	378
QY	363	CTGTGGGAATTTATATGACATATTTAGAACTTCTGTAAGATGTAGTTTCAATAAGAAA	422
Db	379	CTGTGGGAATTTATATGACATATTTAGAACTTCTGTAAGATGTAGTTTCAATAAGAAA	438
QY	423	GTTATGAAAAAACTACAAGAGTCAAGATTTGACATCGTTTTTTCAGATGCTGTTTTTCCC	482
Db	439	GTTATGAAAAAACTACAAGAGTCAAGATTTGACATCGTTTTTTCAGATGCTGTTTTTCCC	498
QY	483	TGTGTGAGCTGCTGGCTGCGCTACTTAACATACACGTTTGTGTACAGTCTCCGCTTTACT	542
Db	499	TGTGTGAGCTGCTGGCTGCGCTACTTAACATACACGTTTGTGTACAGTCTCCGCTTTACT	558
QY	543	CTGGCTACACAAATTTGAAAGGCACAGTGGAGACTGATTTTCCCTCTTCTACATACCT	602
Db	559	CTGGCTACACAAATTTGAAAGGCACAGTGGAGACTGATTTTCCCTCTTCTACATACCT	618
QY	603	ATTGTTATGTCAAAAATTAAGTGATCAAAATGACTTTTCATGGAGAGGTAAAAAATATGATC	662
Db	619	ATTGTTATGTCAAAAATTAAGTGATCAAAATGACTTTTCATGGAGAGGTAAAAAATATGATC	678
QY	663	TATGTGCTTTATTTTGAATTTTGGTTTCCAAATGTCTGATATGAAGATGGGATCAGTTT	722
Db	679	TATGTGCTTTATTTTGAATTTTGGTTTCCAAATGTCTGATATGAAGATGGGATCAGTTT	738
QY	723	TACAGTGAAGTTTATAGGAAGACCACTACCTTATTTTGAGACAAATGGGAAAGCTGACATA	782
Db	739	TACAGTGAAGTTTATAGGAAGACCACTACCTTATTTTGAGACAAATGGGAAAGCTGACATA	798
QY	783	TGGCTTATGCGAAAATCTCTGGAGTTTTCAAATTTCTCTCATCTTACCAAACTTCAT	842
Db	799	TGGCTTATGCGAAAATCTCTGGAGTTTTCAAATTTCTCTCATCTTACCAAACTTCAT	858
QY	843	TTTGTGTGGAGGATTCACATGCGCAAACTCTGCCAAACCCCTTACTTAAGGAAAATGGAGGTT	902
Db	859	TTTGTGTGGAGGATTCACATGCGCAAACTCTGCCAAACCCCTTACTTAAGGAAAATGGAGGTT	917
QY	903	TGTACAGAGCTCTGAGAAAATGGTGTGTGGTGTGTTTCTCTGGGGTCAGTGTAAAGTAA	962
Db	918	TGTACAGAGCTCTGAGAAAATGGTGTGTGGTGTGTTTCTCTGGGGTCAGTGTAAAGTAA	977
QY	963	CATGACAGCAAGAGGGCAATGTAAATTTGCAACAGCCCTTTCAGAGATCCCAAAAAGGT	1022
Db	978	CATGACAGCAAGAGGGCAATGTAAATTTGCAACAGCCCTTTCAGAGATCCCAAAAAGGT	1037
QY	1023	TCTGTGGAGATTTGATGGGAATAAACAGATGCTTAGTGTCTCAATATCTCGGCTGTATAA	1082
Db	1038	TCTGTGGAGATTTGATGGGAATAAACAGATGCTTAGTGTCTCAATATCTCGGCTGTATAA	1097

QY	1083	GTGGATACCCAGAAATGACCTTCTAGTGTCTATCCAAAACACAGAGCTTTTATAACTCATGG	1142
Db	1098	GTGGATACCCAGAAATGACCTTCTAGTGTCTATCCAAAACACAGAGCTTTTATAACTCATGG	1157
QY	1143	TGGAGCCAAATGGCATCTATGAGGCAATCTCATGCGGATCCCTATGTGGGCAATTCCTATT	1202
Db	1158	TGGAGCCAAATGGCATCTATGAGGCAATCTCATGCGGATCCCTATGTGGGCAATTCCTATT	1217
QY	1203	GTTTTGGGATCAACCTGATTAACATTTGTCTCATGAAAGGCCAAAGGAGCAGCTGTAGATT	1262
Db	1218	GTTTTGGGATCAACCTGATTAACATTTGTCTCATGAAAGGCCAAAGGAGCAGCTGTAGACT	1277
QY	1263	GGACTTCAACACAAATGTCGAGTACAGACCTGCTCAATGCACTGAAGACAGTAATTAATGA	1322
Db	1278	GGACTTCAACACAAATGTCGAGTACAGACCTGCTCAATGCACTGAAGACAGTAATTAATGA	1337
QY	1323	TCCCTTATATAAAGAGAATATTTATGAAATTTATCAAGAAATTCACATGATCAACAGTAAA	1382
Db	1338	TCCCTTATATAAAGAGAATATTTATGAAATTTATCAAGAAATTCACATGATCAACAGTAAA	1397
QY	1383	GCCCTCGATCGAGCATCTTCTGGATTTGAAATTTGTCTATGCCCCCAAAAGAGGCCAAACA	1442
Db	1398	GCCCTCGATCGAGCATCTTCTGGATTTGAAATTTGTCTATGCCCCCAAAAGAGGCCAAACA	1457
QY	1443	CCTTCGAGTTGCGACCCCATGACCTCACCTGCTTCCAGTACCACCTCTTTGGATGTGATTGG	1502
Db	1458	CCTTCGAGTTGCGACCCCATGACCTCACCTGCTTCCAGTACCACCTCTTTGGATGTGATTGG	1517
QY	1503	GTTTCTGCTGCGCTGTGTGGCACTGTGATATTTATCATCACAAGTTTCTCTGTTTTG	1562
Db	1518	GTTTCTGCTGCGCTGTGTGGCACTGTGATATTTATCATCACAAGTTTCTCTGTTTTG	1577
QY	1563	TTTCTGGAAGTTTGTCTAGAAAAGGGAAGGGAAGGGAAGGATTTAGTTATGCTGCAATT	1622
Db	1578	TTTCTGGAAGTTTGTCTAGAAAAGGGAAGGGAAGGGAAGGATTTAGTTATGCTGCAATT	1637
QY	1623	TGAAGCTGGAACCAACAGATAGTAGGACAACTTCAGTTTATCCAGCAAGAAAGAAAGA	1682
Db	1638	TGAAGCTGGAAGAAATTCGGTTTATTTGAAGATTCAGGTTAACTGATCAAGTTAACCCAGT	1697
QY	1683	TTGTTATGC 1691	
Db	1698	CTCAATGC 1706	
RESULT 4			
US-09-880-107-3756			
; Sequence 3756, Application US/09880107			
; Patent No. US20020142981A1			
; GENERAL INFORMATION:			
; APPLICANT: Horne, Darci T.			
; APPLICANT: Vockley, Joseph G.			
; APPLICANT: Scherf, Uwe			
; APPLICANT: Gene Logic, Inc.			
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer			
; FILE REFERENCE: 44921-5028-WO			
; CURRENT APPLICATION NUMBER: US/09/880,107			
; CURRENT FILING DATE: 2001-06-14			
; PRIOR APPLICATION NUMBER: US 60/211,379			
; PRIOR FILING DATE: 2000-06-14			
; PRIOR APPLICATION NUMBER: US 60/237,054			
; PRIOR FILING DATE: 2000-10-02			
; NUMBER OF SEQ ID NOS: 3950			
; SOFTWARE: PatentIn Ver. 2.1			
; SEQ ID NO 3756			
; LENGTH: 2799			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
; FEATURE:			
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 X63359			
US-09-880-107-3756			
Query Match		84.8%; Score 1452.4; DB 9; Length 2799;	

Best Local Similarity 92.2%; Pred. No. 0; Matches 1553; Conservative 0; Mismatches 126; Indels 5; Gaps 2;									
QY	8	TCACAGGATGACTCTGAAATGGACCTTCAGTCTTCTGCTGATACATCTCCAGTTGTTA	67						
Db	2	TCACAAAGGATGGCTCTGAAATGGACTACAGTCTGCTGATACAACT----CAGTTTTTA	57						
QY	68	CTTTAGCTCTGGAGTTGTGGAAGAGTGTGTGTGGCCGAGAAATACAGCCATTTGAT	127						
Db	58	CTTTAGCTCTGGAGTTGTGGAAGAGTGTGTGTGGCCGAGAAATACAGCCCTTTGGAT	117						
QY	128	GAATATGAAGACAATCTCAAGAGCTTGTTCAGAGAGTGTATGAGTGTACTGTC	187						
Db	118	GAATATGAAGACAATCTCAAGAGCTTGTTCAGAGAGTGTATGAGTGTACTGTC	177						
QY	188	ATCTTCAGCTTCCATCTTTTGTATCCCAATGATGCATCCACTCTTAAATTTGAAGTTTA	247						
Db	178	ATCTTCAGCTTCCATCTTTTGTATCCCAAGACTCATCCACTCTTAACTTTGAAGTTTA	237						
QY	248	TCCTACATCTTAACTTAAATTTGAGAAATATCATATGCAACAGGTTTAAGAGATG	307						
Db	238	TCCTACATCTTAACTTAAATTTGAGAAATATCATATGCAACAGGTTTAAGAGAT	297						
QY	308	GTACAGATTCGAAAGATAGCTTTTGGTTATATTTTTCAGAGAAATCCTGTG	367						
Db	298	GTACAGAAATTCAGAAAGATACATTTTGGTTACCTTTTTCAGAGAAATCCTGTG	357						
QY	368	GGAAATTTATATGATATTTAGAAATCTTCTGTAAGATGTAGTTTCAAATAAGAAATTTAT	427						
Db	358	GGCAATTAATGATCAATTAAGAACTTCTGTAAGATGTAGTTTCAAATAAGAAATTTAT	417						
QY	428	GAAGAACTPAAGAGTCAAGATTTGACATCGTTTTTGCAGATGCTGTTTTTCCCTGTGG	487						
Db	418	GAAGAACTPAAGAGTCAAGATTTGACATCGTTTTTGCAGATGCTTATTTACCTGTGG	477						
QY	488	TCAGCTGCTGGTGGCTACTTAAATACAGGTTTGTGTACAGTCTCCGCTTATCTCTGG	547						
Db	478	TCAGCTGCTGGTGGCTACTTAAATACAGGTTTGTGTACAGTCTCCGCTTATCTCTGG	537						
QY	548	CTACACAATTTGAAGGACAGTGGAGGACTGATTTTCCCTCTCTCATACATCTATGTT	607						
Db	538	CTACTCAATTTGAAGGACAGTGGAGGATTTATTTTCCCTCTCTCATACATCTATGTT	597						
QY	608	TATGTCAAAATTAAGTGATCAAAATGACTTTTCATGGAGAGGGTAAATAATATGATCTATGT	667						
Db	598	TATGTCAAAATTAAGTGATCAAAATGACTTTTCATGGAGAGGGTAAATAATATGCTCTATGT	657						
QY	668	GCCTTTATTTGACTTTTGGTTCCAAATGCTGATATGAAGAGTGGGATCAGTTTACAG	727						
Db	658	GCCTTTATTTGACTTTTGGTTCCAAATATTTAAATATGAAGAGTGGGATCAGTTTACAG	717						
QY	728	TGAAGTTTTAGGAAGACCACTACCTTATTTGAGACAATGGGAAAGCTGACATATGCT	787						
Db	718	TGAAGTTTTAGGAAGACCACTACCTATTTCTGAGACAATGAGGAAGCTGACATATGCT	777						
QY	788	TATGCGAACTCTGGAGTTTTCAATTTTCTCATCTCCATTTTACCAACGTTGATTTGT	847						
Db	778	TATGCGAACTCTGGAGTTTTCAATTTTCTCATCTCCATTTTACCAATGTTGATTTGT	837						
QY	848	TGGAGATTTCCACTGGCAACCTGCCAAACCCCTTACTTAAGGAATGAGGAGTTGTAC	907						
Db	838	TGGAGACTTCCACT--GCAACCTGCCAAACCCCTTACTTAAGGAATGAGGAGTTGTAC	896						
QY	908	ACAGCTCTGGAGAAATGTTGTGTGTTTCTCTGGGTGCTGATTAAGTACATGA	967						
Db	897	ACAGCTCTGGAGAAATGTTGTGTGTTTCTCTGGGTGCTGATTAAGTACATGA	956						
QY	968	CAGCAGAAAGGGCCCAATGTAATGCAACAGCCCTTGCACCAATCCCAAAAGGTTCTGT	1027						
Db	957	CAGAGAAAGGGCCCAACGTAATGCAACAGCCCTTGCACCAATCCCAAAAGGTTCTTT	1016						
QY	1028	GGAGATTTGATGGGAATTAACAGATGCTTAGGTCTCAATCTCGGCTGTATTAAGTGA	1087						

Db	1017	GGAGATTTGATGGGAATTAACAGATGCTTAGGTCTCAATCTCGACTGTACAAGTGA	1076
QY	1088	TACCCCAAGATGACCTTCTAGGTCAATCAAAAACAGAGCTTTTATACTCATGTGGAG	1147
Db	1077	TACCCCAAGATGACCTTCTAGGTCAATCAAAAACAGAGCTTTTATACTCATGTGGAG	1136
QY	1148	CAATGGCATCTATGAGGCAATCTACCATGGATCCCTATGTTGGGCAATCCATGTTTT	1207
Db	1137	CAATGGCATCTATGAGGCAATCTACCATGGATCCCTATGTTGGGCAATCCATGTTTT	1196
QY	1208	GGGATCAACCTGATAACATCTCTACATGAAGGCCAAGGGAGCAGCTCTAGATGGACT	1267
Db	1197	TTGATCAACCTGATAATATTTCTACATGAAGGCCAAGGGAGCAGCTCTAGATGGACT	1256
QY	1268	TCAACACAATCTCGAGTACAGACCTGCTGAATGCACTCAAGACAGTAATTAATGATCCTT	1327
Db	1257	TCAACACAATCTCGAGTACAGACCTGCTGAATGCACTCAAGACAGTAATTAATGATCCTT	1316
QY	1328	TATATAAGAGAAATATTAATGAATAATTAACAAGATTTCAACATGATCAACAGTAAAGCCCC	1387
Db	1317	CATATAAGAGAAATATTAATGAATAATTAACAAGATTTCAACATGATCAACAGTAAAGCCCC	1376
QY	1388	TGGATCGAGCAGCTCTCTGGATTTGAATTTGTCTGCCCCCAAGAGGCCAACAACCTTC	1447
Db	1377	TGGATCGAGCAGCTCTCTGGATTTGAATTTGTCTGCCCCCAAGAGGCCAACAACCTTC	1436
QY	1448	GAGTTGACGCCCATGACCTCACCTGGTTCCAGTACACTCTTTGGATGTGTTGGTTTC	1507
Db	1437	GAGTTGACGCCCATGACCTCACCTGGTTCCAGTACACTCTTTGGATGTGTTGGTTTC	1496
QY	1508	TGCTGGCTGTGTGGCAACTGTGATATTTATCATCAAAAGTTTTGTCTGTTTGTCTT	1567
Db	1497	TGCTGGCTGTGTGGCAACCGTGTATTTATCATCAAAAGTTTGTCTGTTTGTCTT	1556
QY	1568	GGAGTTTGTCTAGAAAGGGAAGAGGAAAGAGATTAGTTATGCTGCAATTTGAAG	1627
Db	1557	GGAGTTTGTCTAGAAAGGGAAGAGGAAAGAGATTAGTTATGCTGCAATTTGAAG	1616
QY	1628	CTGCAAAACCATAGATAGTAGGACAACTTCAGTTTATTCAGCAAGAAAGAAAGATTGTT	1687
Db	1617	CTGCGGAATTCCTGTTTATTAAGATTACGTTAACTGAATCAAGTTAAACCATCTCAA	1676
QY	1688	ATGC 1691	
Db	1677	ATGC 1680	

RESULT 5

US-10-057-834A-1
; Sequence 1, Application US/10057834A
; Publication No. US20030099960A1
; GENERAL INFORMATION:
; APPLICANT: RATAIN, MARK J.
; APPLICANT: INNOCENTI, FEDERICO
; APPLICANT: DAS, SOMA
; APPLICANT: IYER, LALITHA
; APPLICANT: SAWER, MICHAEL
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR OPTIMIZING UGT2B7 SUBSTRATE DOSINGS
; TITLE OF INVENTION: PREDICTING UGT2B7 SUBSTRATE TOXICITY
; FILE REFERENCE: ARCD:358US
; CURRENT APPLICATION NUMBER: US/10/057.834A
; CURRENT FILING DATE: 2002-08-22
; PRIOR APPLICATION NUMBER: UNKNOWN
; PRIOR FILING DATE: 2002-01-25
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 1
; LENGTH: 1991
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (151)..(1740)

; PRIOR APPLICATION NUMBER: US/60/237,316
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 1001
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 368
; LENGTH: 1855
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-968-007A-368

Query Match 84.6%; Score 1450; DB 11; Length 1855;
Best Local Similarity 91.7%; Pred. No. 0;
Matches 1568; Conservative 0; Mismatches 135; Indels 7; Gaps 3;

QY	4	GCATTGACCGAGGATGACTCTGAAATGCACTTTCAGTTCTTCTGCTGATACATCTCCAGTT	63
Db	2	GCATTGCAACCGAGGATGCTGTGAAATGGACTTCAGTAATTTTGTCTAAATACAACTG-AGCT	60
QY	64	GTACTCTTTAGCTCTGGGAGTTGTGAAAGTGCTGGTGTGGCCGCGCAGAAATACAGCCATT	123
Db	61	TTTGTCTTTAGCTCTGGGAAATTGTGAAAGGTGCTGGTGTGGCAGCAGAAATACAGCCATT	120
QY	124	GGATGAATATGAAGCAATCTCGAAAGAGCTTGTTCAGAGAGGTTCATGAGGTGACTGTAC	183
Db	121	GGATGAATATGAAGCAATCTCGATGAGCTTATTCAGAGAGGTTCATGAGGTGACTGTAC	180
QY	184	TGGCATCTTCAGTTCCTATCTTTTGTGATCCCAATGATGCAATCTCTTAAATTTGAAG	243
Db	181	TGGCATCTTCAGTTCCTATCTTTTGTGATCCCAATGATGCAATCTCTTAAATTTGAAG	240
QY	244	TTATCTCTACATCTTTTAACTAAATCTGAATTTGAGAAATATCATCTGCAAGAGTTAAGA	303
Db	241	TTATCTCCACATCTTTTAACTAAATCTGAGTTGGAGAAATTTATCATGCAACAGATTAAGA	300
QY	304	GATGTCTCAGACATTCGAAAGATAGCTTTTGGTTATATTTTTCAGAAACAAAGAAATCC	363
Db	301	GATGTCTCAGACCTTCCAAAGATACATTTTGGTTATATTTTTCAGAGTACAGGAAATCA	360
QY	364	TGTGGGAATATATGACATATTTAGAACTTCTGTGAAAGATGATGTTTCAAAATGAAG	423
Db	361	TGTCAATATTTGGTGACATACTAGAAAGTTCTGTAAAGATGATGTTTCAAAATGAAG	420
QY	424	TTATGAAAAAATACAGAGTCAGATTTGACATCGTTTGTGATACAGTCTCCGCTTTTACTC	483
Db	421	TTATGAAAAAATACAGAGTCAGATTTGACATCGTTTGTGATACAGTCTCCGCTTTTACTC	480
QY	484	GTGTGTAGCTGTGGCTGGCTACTTAAACATACAGTTTGTGATACAGTCTCCGCTTTTACTC	543
Db	481	GTAGTGAGCTGTGGCTGAGCTATTTAAACATACAGTTTGTGATACAGTCTCCGCTTTTACTC	540
QY	544	CTGGCTACAAATTTGAAAGGCACTGAGGAGCTGATTTTCCCTCTTCTACATACCTA	603
Db	541	CTGGCTACACTTTTGAAGAGCATAGTGAGGAGTTTATTTTCCCTCTTCTACGTAACCTG	600
QY	604	TGTTTATCTCAAAATTAAGTATCAATGACTTTTCATGAGAGGGTAAAAATATGATCT	663
Db	601	TGTTTATGTCAGAAATTAAGTATCAATGACTTTTCATGAGAGGGTAAAAATATGATCT	660
QY	664	ATGTCTTTTATTTTGTCTTCCAAATGCTGTGATATGAAGAGTGGGATCAGTTT	723
Db	661	ATGTCTTTTATTTTGTCTTCCAAATGCTGTGATATGAAGAGTGGGATCAGTTT	720
QY	724	ACAGTGAATTTTAGGAAGACCCACTACTTATTTTGAACAATGGGAAAAAGCTGACATAT	783
Db	721	ATAGTGAAGTTCTAGGAAGACCCACTACTTATTTTGAACAATGGGAAAAAGCTGACATAT	780
QY	784	GGCTTATCGAAACTCTCGAGTTTTCATTTCTCATCTTCTTACCAACCTGTGATT	843
Db	781	GGCTTATTCGAAACTCTCGAGTTTTCATTTCTCATCTTCTTACCAACCTGTGATT	840
QY	844	TTGTTGGAGGATTTCCACTGCGAAACCTCGCAACCCCTACCTTAAGGAATGGAGAGTTT	903
Db	841	TTGTTGGAGGATTTCCACT-GCAAACTCGCAACCCCTGCTTACGAATTTGGAAGACTTT	899

QY	904	GTACAGAGCTCTGGAGAAAAATGGTGTGTGGTGTCTCTGGGCTCAGTGATAGTAAC	963
Db	900	GTACAGAGCTCTGGAGAAAAATGGTGTGTGGTGTCTCTGGGCTCAATGGTCTAGTAAC	959
QY	964	ATGACAGCAGAAAGGGCCAATGTAATGCAACAGCCCTTGCAAGATGCCCAAAAAGGTT	1023
Db	960	ATGACAGAGAAAGGGCCAAGTAAATTCATCAGCCCTTGCCCCAGATGCCCAAAAAGGTT	1019
QY	1024	CTGTGGAGATTTGATGGGAATAAAACAGATGCCCTTAGGTCTCAATACTCGGCTGTATAAG	1083
Db	1020	CTGTGGAGATTTGATGGGAATAAAACAGATACCTTTAGGTCTCAATACTCGGCTGTATAAG	1079
QY	1084	TGGATACCCCAAGATGACCTTTAGGTCTCAAAAAACAGAGCTTTTATAACTCATGGT	1143
Db	1080	TGGATACCCCAAGATGACCTTTAGGTCTCAAAAAACAGAGCTTTTATAACTCATGGT	1139
QY	1144	GGAGCCAATGGCATCTATGAGGCAATCTACCATGGGATCCCTATGGTGGGATTTCCATTG	1203
Db	1140	GGAGCCAATGGCATCTACGAGGCAATCTACCATGGGATCCCTATGGTGGGATTTCCATTG	1199
QY	1204	TTTTGGGATCAACCTGATAACATTTGCTCACAATGAAGGCCAAGGGAGCAGCTGTTAGATTG	1263
Db	1200	TTTTGCCGATCAACCTGATAACATTTGCTCACAATGAAGGCCAAGGGAGCAGCTGTTAGATTG	1259
QY	1264	GACTTCAACAATGTCGAGTACAGACTGCTGTAATGCACACTGAAGACAGTAATTAATGAT	1323
Db	1260	GACTTCAACAATGTCGAGTACAGACTGCTGTAATGCATTTGAAGAGAGTAATTAATGAT	1319
QY	1324	CCTTTATATAAGAGAAATATTTAGAAATTTCAAGAAATTTCAACATGATCAACCAAGTAAAG	1383
Db	1320	CCTTTATATAAGAGAAATTTATGAAGAAATTTCAAGAAATTTCAACATGATCAACCAAGTAAAG	1379
QY	1384	CCCTTGGATCGAGCAGTCTTCTGGAATTTGTCATGCCCCCAAAAGGAGCCAAACAC	1443
Db	1380	CCCTTGGATCGAGCAGTCTTCTGGAATTTGTCATGCCCCCAAAAGGAGCTTAAACAC	1439
QY	1444	CTTCGAGTTGAGCCCAATGACCTCAGCTGTCAGTACACACTTTTGGATGATGATGGG	1503
Db	1440	CTTCGAGTTGAGCCCAATGACCTCAGCTGTCAGTACACACTTTTGGATGATGATGGG	1499
QY	1504	TTTCTGCTGGCCTGTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTCTTTTGT	1563
Db	1500	TTTCTGCTGGTGTGTGTGGCAACTGTGATATTTATCGTCAAAAATGTTGTCTGTTTGT	1559
QY	1564	TTCTGGAAGTTTGTGAAAAAGGGAAGAGGAAAAAGAGATTAGTTTATGTCTGACATTT	1623
Db	1560	TTCTGGAAGTTTGTGAAAAAGGGAAGAGGAAAAAGATTTAGTTTATATCTGAGATTT	1619
QY	1624	GAAGCTGAAAAACAGATAGATAGGACAACTTCAGTTTATTCAGCAAGAAAGAAAGAT	1683
Db	1620	GAAGCTGAAAAACCTGATAGGTGAGACTTCTCAGTTTATTTCCAGCAAG-----AAAGAT	1674
QY	1684	TGTTATCAAGATTTCTTCTCTCTGTGAC	1713
Db	1675	TGTTATCAAGATTTCTTCTCTCTGTGAC	1704

RESULT 8

US-09-968-007A-735
; Sequence 735, Application US/09968007A
; Publication No. US20040115625A1
; GENERAL INFORMATION:
; APPLICANT: Ebner, Reinhard
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signa
; TITLE OF INVENTION: Gene Sets
; FILE REFERENCE: 689290-71
; CURRENT APPLICATION NUMBER: US/09/968,007A
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/60/237,172
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: US/60/237,173
; PRIOR FILING DATE: 2000-10-02

; PRIOR APPLICATION NUMBER: US/60/237,278									
; PRIOR FILING DATE: 2000-10-02									
; PRIOR APPLICATION NUMBER: US/60/237,294									
; PRIOR FILING DATE: 2000-10-02									
; PRIOR APPLICATION NUMBER: US/60/237,295									
; PRIOR FILING DATE: 2000-10-02									
; PRIOR APPLICATION NUMBER: US/60/237,316									
; PRIOR FILING DATE: 2000-10-02									
; NUMBER OF SEQ ID NOS: 1001									
; SOFTWARE: PatentIn version 3.0									
; SEQ ID NO 735									
; LENGTH: 1855									
; TYPE: DNA									
; ORGANISM: Homo sapiens									
; US-09-968-007A-735									
Query Match 84.6%; Score 1450; DB 11; Length 1855;									
Best Local Similarity 91.7%; Pred. No. 0;									
Matches 1568; Conservative 0; Mismatches 135; Indels 7; Gaps 3									
Qy	4	GCATTGCACCAAGTAGACTCTGAAATGGACATTCAGTTCTTCTGTCTGATACATCTCCAGTT	63						
Db	2	GCAITGCAACCAAGTAGTCTGTGAAATGGACTTCAGTAATTTTGCTAAATCAACTG-AGCT	60						
Qy	64	GTTACTTTAGCTCTGGGAGTTGTGGAANAAGTGTGGTGTGGGCGCAGAAATACAGCCATT	123						
Db	61	TTTGCTTTAGCTCTGGGAATTTGTGAAAGGTGTGGTGTGGGACAGAAATACAGCCATT	120						
Qy	124	GGATGAATATCAAGACAAATCCTGAAGAGCTTGTTCAGAGAGGTCAATGAGTGAAGTAC	183						
Db	121	GGATGAATATTAAGACAAATCTCGATGAGCTTATTCAGAGAGGTCAATGAGTGAAGTAC	180						
Qy	184	TGGCATCTTCAGCTTCCATCTTTTTTGATCCCAATGATGCATCCACTCTTAAATTTGAAG	243						
Db	181	TGGCATCTTCAGCTTCCATCTTTTTTGATCCCAACACTCATCCGCTCTTAAATTTGAAA	240						
Qy	244	TTTATCTCAATCTTTTAACATAAACTGAAATTTGAGAAATATCATCATGCAACAGGTTAAGA	303						
Db	241	TTTATCCCACTCTTTAACTAAAACTGAGTTGGAGAAATTCATCATGCAACAGATTAAGA	300						
Qy	304	GATGGTCAGACATTCGAAAAGATAGCTTTTGGTTATATTTTTCACAGAAACAGAAATCC	363						
Db	301	GATGGTCAGACCTTCGAAAAGATACATTTTGGTTATATTTTTCACAGATCAGGAAATCA	360						
Qy	364	TGTGGGAATATATGACATATTTAGAAAATCTTCTGTAAAGATGTAGTTTCAAATAGAAG	423						
Db	361	TGTCAAATATTGGTGACATACTAGAAAGTTCTGTAAAGATGTAGTTTCAAATAGAAT	420						
Qy	424	TTATGAAAAAATCAAGAGTCAAGATTTGACATCGTTTTTTCAGAGATCGTTTTTCCT	483						
Db	421	TTATGAAAAAAGTACAAGATCAAGATTTGACGTCATTTTTGCAGATGCTATTTTTTCCT	480						
Qy	484	GTGGTGAGCTGTGGCTGGCTACTTAACATACGGTTTGTGTACAGTCTCCGCTTTATCTC	543						
Db	481	GTAGTGAGCTGTGGCTGGAGCTATTTAAACATACCTTTTGTGTACAGTCTCAGCTTCTCTC	540						
Qy	544	CTGGCTACACAATTTGAAAGGCACAGTGGAGGACTGATTTTCCCTCTCTTCTACATACCTA	603						
Db	541	CTGGCTACACTTTTGAAAGGCAATAGTGGAGGATTTATTTTCCCTCTCTTCTACGTACCTG	600						
Qy	604	TTGTTATGTCAAAATTAAGTGATCAAAATGACTTTTCATGGAGAGGTTAAAAAATATGATCT	663						
Db	601	TTGTTATGTCAGAATTAACATGATCAAAATGACTTTTCATGGAGAGGTTAAAAAATATGATCT	660						
Qy	664	ATGTGCTTTATTTTGACTTTTGGTTCCAAATGTCTGATATGAAGAAGTGGGATCAGTTTTT	723						
Db	661	ATGTGCTTTATTTTGACTTTTGGTTTCGAAATATTTTGAATGAAGAAGTGGGATCAGTTTTT	720						
Qy	724	ACAGTGAAGTTTATAGGAAGCCCACTACTCTTATTTTGACAAATGCGGAAGAGCTGACATAT	783						
Db	721	ATAGTGAAGTTCTAGGAAGACCCCACTACGTTATCTGAGACAAATGGGGAAGAGCTGACGTAT	780						
Qy	784	GGCTTATGCGAAACTCTCTGGAGTTTTCAATTTTCTCTCATCCATTTCTTACAAACGTTGATT	843						

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; TITLE OF INVENTION: METHODS OF DIAGNOSIS OF CANCER, COMPOSITIONS AND
; FILE REFERENCE: 05882.0191.NPUS01
; CURRENT APPLICATION NUMBER: US/10/783,528
; NUMBER OF SEQ ID NOS: 116
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 57
; LENGTH: 1855
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-783-528-57

Query Match      84.6%; Score 1450; DB 20; Length 1855;
Best Local Similarity 91.7%; Pred. No. 0;
Matches 1568; Conservative 0; Mismatches 135; Indels 7; Gaps 3;

QY 4 GCATTGACACGAGGAGCTCTGAAATGGACTTCAGTCTCTCTGCTGTATACATCTCCAGTT 63
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 64 GTTACTTAGTCTCTGGAGTTGTGAAAGTGCTGGTGGGCCGCGAAGATACAGCCATT 123
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 61 TTTGCTTAGTCTCTGGAAATTTGTGAAAGTGCTGGTGGGCGACGAGAATACAGCCATT 120
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 124 GGATGAATATGAAGCAATCCTGGAAGAGCTGTTTCAGAGAGGTTCATGAGGTGACTGTAC 183
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 121 GGATGAATATGAAGCAATCCTGGATGAGCTTAITTCAGAGAGGTTCATGAGGTGACTGTAC 180
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 184 TGGCATCTTCAGCTTCCATTCTTTTGTGATCCCAATGATGCCATCCACTCTTAAATTTGAAG 243
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 181 TGGCATCTTCAGCTTCCATTCTTTTGTGATCCCAATGATGCCATCCACTCTTAAATTTGAAG 240
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 244 TTTATCTTACATCTTTTAACTAAAATGAACTGAAATTTGAGAAATATCATCATCAACAGGTTAAGA 303
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 241 TTTATCCACATCTTTTAACTAAAATGAACTGAAATTTGAGAAATTTTCAATGCAACAGATTAAGA 300
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 304 GATGCTCAGACATTCGAAAGAGTAGCTTTTGGTTATATTTTCAAGAAACAGAAATCC 363
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 301 GATGCTCAGACCTTCCAAAGAGATACATTTGGTTATATTTTCAAGTACAGGAATCA 360
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 364 TGTGGAAATTTATGACATATTTAGAAACTTCTGTAAGAGATGATGTTTCAATTAAGAAAG 423
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 361 TGTCAATATTTGGTGACATACTAGAAAGTCTCTGTAAGAGATGATGTTTCAATTAAGAAAT 420
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 424 TTATGAAAAAATACTAAGAGTCAAGATTTGACATCGTTTTTGGCAGATGCTGTTTTCCCT 483
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 421 TTATGAAAAAAGTACAAGAGTCAAGATTTGACGTCATTTTGGCAGATGCTATTTTCCCT 480
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 484 GTGGTGAGCTGTGGCTGCGCTACTTAACATAGGTTTGTGTACAGTCTCCGCTTTACTC 543
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 481 GTAGTGAGCTGTGGCTGAGCTTAITTAACATACCCCTTTTGTGTACAGTCTCAGCTTCTCTC 540
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 544 CTGGCTACACAAATTTGAAAGGCACAGTGGAGGACTGATTTTCCCTCCTTCTACATACCTTA 603
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 541 CTGGCTACATTTTGAAAGCATAGTGGAGGATTAITTTCCCTCCTTCTCCTACGTACCTG 600
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 604 TTGTTATGTCAAAATTAAGTATCAAAATGACTTTCATGGAGGGGTAAAAATATGATCT 663
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 601 TTGTTATGTCAAAATTAAGTATCAAAATGACTTTCATGGAGGGGTAAAAATATGATCT 660
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 664 ATGCTCTTTATTTTACATTTTGGTTTCCAAATGCTCTGATATGAAGAGTGGGATCAAGTTT 723
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 661 ATGCTCTTTATTTTACATTTTGGTTTCCAAATGCTCTGATATGAAGAGTGGGATCAAGTTT 720
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 724 ACAGTGAAGTTTATGGAAGACCCACTACCTTATTTTGAACAATGGGAAAAAGCTGCATAT 783
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 721 ATAGTGAAGTTCTAGGAAGACCCACTACCTTATCTGAGACAATGGGAAAAAGCTGACGTAT 780
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 784 GCTTTATGCGAAATCTCCGAGTTTTCATTTTCCCTCATCCATCTTCAACAAAGTTGAT 843
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 781 GCTTTATTCGAAATCTCCGAGTTTTCATTTTCCCTCATCCATCTTCAACAAATTTGAT 840
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 844 TTGTTGAGGATTCCTACTGGCAACCTCGCCAAACCCCTACCTTAAGGAATGAGGAGTTT 903
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
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Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
841 TTGTTGGAGGACTCCACT-GCAAAACCTGCCAAACCCCTGCTTAAGGAATAGGAAGACTTT 899
QY GTACAGAGCTCTGGAGAAAAATGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 963
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
900 GTACAGAGCTCTGGAGAAAAATGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 959
QY ATGACAGAGAAAAAGGGCCAATGTAATTGCAACAGCCCTTGGCCAAGATCCCAAAAAGGTT 1023
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
960 ATGACAGAGAAAAAGGGCCAACGTAATTGCAATCAGCCCTGCGCCAGATCCCAAAAAGGTT 1019
QY CTGTGGAGATTTGATGGGAATAAACCAGATAGCCCTTAGTCTCTCAATACTCGGCTGTATAAG 1083
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1020 CTGTGGAGATTTGATGGGAATAAACCAGATAGCTTAGTCTCTCAATACTCGGCTGTATAAG 1079
QY TGATATACCCCAAGATGACCTTTCTAGGTCTATCCAAAAACCAGAGCTTTTATTAACCTCATGGT 1143
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1080 TGATATACCCCAAGATGACCTTTCTAGGTCTATCCAAAAACCAGAGCTTTTATTAACCTCATGGT 1139
QY GGAGCCAATGGCATCTATGAGGCAATCTACATGGGATCCCTATGGTGGGCAATTCATTTG 1203
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1140 GGAGCCAATGGCATCTATGAGGCAATCTACATGGGATCCCTATGGTGGGCAATTCATTTG 1199
QY TTTTGGGATCAACCTGATTAACATTGCTCACATGAAGGCCAAGGAGCAGCTGTTTAGATTG 1263
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1200 TTTCCCATCAACCTGATTAACATTGCTCACATGAAGGCCAAGGAGCAGCTGTTTAGATTG 1259
QY TTTTCAACCAATGTGCGAGTACAGACCTGCTGAATGCACCTGGAAGACAGATTAATTAATGAT 1323
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1260 GACTTCAACCAATGTGCGAGTACAGACTGCTGAATGCATTTGAAGAGAGTAATTAATGAT 1319
QY CCTTTATATAAGAGAATATTAAGAAATTTATCAAGAAATTTCAACATGATCAACCAAGTGAAG 1383
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1320 CCTTCAATAAAGAGAATTTATGAAATTTATCAAGAAATTTCAACATGATCAACCAAGTGAAG 1379
QY CCCCTGATGAGCAGCTTCTCTGATTTGAAATTTGCTCATGCCCAACAAAGGAGCCAAACAC 1443
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1380 CCCCTGATGAGCAGCTTCTCTGATTTGAAATTTGCTCATGCCCAACAAAGGAGCTAAACAC 1439
QY CTTCGAGTTGCGAGCCCAACCTCACCTGGTTCAGTACCACTCTTTGGATGTGATTTGG 1503
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1440 CTTCGAGTTGCGAGCCCAACCTCACCTGGTTCAGTACCACTCTTTGGATGTGATTTGG 1499
QY TTTCTGCTGGCTGTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGTTTGT 1563
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1500 TTTCTGCTGGCTGTGTGGCAACTGTGATATTTATCGTCACAAAATGTGTCTGTTTGT 1559
QY TTTCTGGAAGTTTGTCTAGAAAAGGGAAGGAAGAAAAAGAGATTAGTTATGCTGCACATTT 1623
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1560 TTTCTGGAAGTTTGTCTAGAAAAGGGAAGGAAGAAAAATGATTTAGTTATATCTGAGATTT 1619
QY GAAGCTGGAAGAACAGATAGTAGGACAACCTTCAAGTTTATTTCCAGCAAGAAAAAGAT 1683
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1620 GAAGCTGGAAGAACCTGATAGTGTGAGACTTCTCAAGTTTATTTCCAGCAAG-----AAAGAT 1674
QY TGTTATGCAAGATTTCTTTCTCTCTGTGAC 1713
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
1675 TGTGATCAAGATTTCTTTCTCTCTGTGAC 1704
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RESULT 10

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US-10-843-641A-6838
; Sequence 6838, Application US/10843641A
; Publication No. US20050064454A1
; GENERAL INFORMATION:
; APPLICANT: Avalon Pharmaceuticals, Inc.
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
; TITLE OF INVENTION: Signature Gene Sets
; FILE REFERENCE: 689290-189
; CURRENT APPLICATION NUMBER: US/10/843,641A
; PRIOR FILING DATE: 2004-05-12
; PRIOR APPLICATION NUMBER: US/09/873,367
; PRIOR FILING DATE: 2001-06-05
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, PRIOR APPLICATION NUMBER: US/09/954,531
, PRIOR FILING DATE: 2001-09-18
, PRIOR APPLICATION NUMBER: US/09/954,456
, PRIOR FILING DATE: 2001-09-25
, PRIOR APPLICATION NUMBER: US/09/962,436
, PRIOR FILING DATE: 2001-09-25
, PRIOR APPLICATION NUMBER: US/09/962,832
, PRIOR FILING DATE: 2001-09-25
, PRIOR APPLICATION NUMBER: US/09/964,824
, PRIOR FILING DATE: 2001-09-27
, PRIOR APPLICATION NUMBER: US/09/967,768
, PRIOR FILING DATE: 2001-09-28
, PRIOR APPLICATION NUMBER: US/09/968,007
, PRIOR FILING DATE: 2001-10-02
, PRIOR APPLICATION NUMBER: US/09/969,347
, PRIOR FILING DATE: 2001-10-02
, PRIOR APPLICATION NUMBER: US/09/969,708
, PRIOR FILING DATE: 2001-10-03
, Remaining Prior Application data removever
, NUMBER OF SEQ ID NOS: 8447
, SOFTWARE: PatentIn version 3.0
, SEQ ID NO 6838
, LENGTH: 1855
, TYPE: DNA
, ORGANISM: Homo sapiens
, FEATURE:
, NAME/KEY: misc feature
, LOCATION: (1)..(1855)
, OTHER INFORMATION: n=a,t,g or c
US-10-843-641A-6838

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	Query Match	84.6%	Score 1450;	DB 21;	Length 1855;
	Best Local Similarity	91.7%;	Pred. No. 0;		
	Matches 1568; Conservative	0;	Mismatches 135;	Indels 7;	Gaps 3
Qy	4	GCATTGACCAGGATGACTCTGAAATGGACITTCAGTTCTTCTGTGTATACATCTCCAGTT	63		
Db	2	GCATTGCCACCAAGTAGTCTGTGAATGGACITTCAGTAATTTTGCTAATACAACGTG-AGCT	60		
Qy	64	GTATCTTTAGTCTCGGGNGTTGTGGAAAAGTGCTGGTGTGGCCGCGCAGAANTACAGCCATT	123		
Db	61	TTTGCTTTTAGTCTCGGGAAATTTGTGGAAGGTGCTGGTGTGGCAGCAGAANTACAGCCATT	120		
Qy	124	GGATGAATATCAAGACAACTCTGAAAGAGCTTGTTCAGAGAGGTCATCAGGTGCATGCTGAC	183		
Db	121	GGATGAATATAAGACAACTCTGGATGAGCTTATTCAGAGAGGTCATCAGGTGCATGCTGAC	180		
Qy	184	TGGCATCTTCAGCTTCCAATCTTTTTGATCCCAATGATGCAATCCACTCTTAAATTTTGAAG	243		
Db	181	TGGCATCTTCAGCTTCCAATCTTTTTGATCCCAACTCATCCGCTCTTAAAAATTTGAAA	240		
Qy	244	TTTATCCTACATCTTTAACTAAAACTGTAATTTTGAGATATCATCATGCAACAGGTTTAAGA	303		
Db	241	TTTATCCACATCTTTAACTAAAACTGATTTGGAGATTTTATCATGCAACAGATTAAGA	300		
Qy	304	GATGGTCAGACATTCGAAAAGATAGCTTTTGGTTATATTTTTCACAAGAACAGAAATCC	363		
Db	301	GATGGTCAGACCTTCCAAAAGATACATTTTGGTTATATTTTTCACAAGTACAGGAAATCA	360		
Qy	364	TGTGGGAATTATATGACATATTTAGAAACTTCTGTAAAAGATGTAGTTTCAAATAGAAG	423		
Db	361	TGTCATATTTGGTGACATATACTAGAAAGTTCTGTAAAAGATGTAGTTTCAAATAGAANA	420		
Qy	424	TTATGAAAAAACTACAAGAGTCAAGATTTGACATCGTTTTTTCAGATGCTGTTTTCCCT	483		
Db	421	TTATGAAAAAAGTACAAGAGTCAAGATTTGACATCGTTTTTTCAGATGCTATTTTTCCCT	480		
Qy	484	GTGGTGAAGCTGCTGGCTCGGCTACTTAAACATACGGTTTGTGTACAGTCTCCGCTTTATCTC	543		
Db	481	GTAGTGAAGCTGCTGGCTGAGCTATTTAAACATACCCCTTTGTGTACAGTCTCAGCTTCTCTC	540		
Qy	544	CTGGCTACACAATTTGAAAGGCAAGTGGAGGACTGATTTTCCCTCTCTTCTACATACCTTA	603		

541	Db	CTGGCTACACTTTTGAAGAAGCATAGTGGAGGATTTATTTTCCCTCCTTCTCCTAGTACCTG	600
604	Qy	TTGTTATGTCAAATAATTAAGTGATCAAATGACTTTTCATGAGAGGGTAAAAAATATGATCT	663
601	Db	TTGTTATGTCAAGAAATTAACCTGATCAAATGACTTTTCATGAGAGGGTAAAAAATATGATCT	660
664	Qy	ATGTGCTTTATTTTGACTTTTGGTTCCAAATGTCGTATATGAAGAAGTGGGATCAGTTTTT	723
661	Db	ATGTGCTTTATTTTGACTTTTGGTTCCAAATATTTTGACATGAAGAAGTGGGATCAGTTTTT	720
724	Qy	ACAGTGAAGTTTATAGGAAGACCCACTACCTTATTTTGAGACAAATGGGAAAAGCTGCACATAT	783
721	Db	ATAGTGAAGTTCTAGGAAGACCCACTACGTTATCTGAGACAAATGGGAAAAGCTGCACGAT	780
784	Qy	GGCTTATGCGAAACTCCTCGAGTTTTCAAATTTCCCTCATCCATTTTATCCAAACGTTGATT	843
781	Db	GGCTTATTCGAAACTCTCTGAAATTTTTCAGTTTCTCATCCACTCTTACCAATGTTGATT	840
844	Qy	TTGTTGGAGATTCCACTGCGCAAAACCTGCGAAACCCCTACCTTAAGGAAATGAGGAGTTT	903
841	Db	TTGTTGGAGGACTCCACT - GCAAACCTGCGCAAAACCCCTGCTTAAGGAAATGGAAGACTTTT	899
904	Qy	GTACAGAGCTCTCGAGAAAATGTTGTGTGGTGTGTTTCTCTGGGGTCAGTGATAAGTAAC	963
900	Db	GTACAGAGCTCTCGAGAAAATGTTGTGTGGTGTGTTTCTCTGGGGTCAATGTCAGTAAAC	959
964	Qy	ATGACAGCAAGAAAGGGCCAAATGTAAATGCAACAGCCCTTGCCTCAAGATCCCAAAAAAGTTT	1023
960	Db	ATGACAGAAAGAGGCCCAACGTAAATTGCAATCAGCCCTGGCCCCAGATCCCAAAAAAGTTT	1019
1024	Qy	CTGTGGAGATTGATGGGAATAAACAGATGCTTATAGTCTCAATATCTGGCTGTATTAAG	1083
1020	Db	CTGTGGAGATTGATGGGAATAAACAGATACCTTAGGTCTCAATATCTGGCTGTATTAAG	1079
1084	Qy	TGGATCCCCAGAAATGACCTTCTAGTGTATCCCAAAACACAGAGCTTTTATAACTCATGGT	1143
1080	Db	TGGATACCCAGAAATGACCTTCTAGTGTATCCCAAAACACAGAGCTTTTATAACTCATGGT	1139
1144	Qy	GGAGCCAAATGGCATCTATGAGGCAATCTACATGGGATCCCTATGGTGGGCATTCACATTG	1203
1140	Db	GGAGCCAAATGGCATCTACGAGGCAATCTACCATGGGATCCCTATGGTGGGCATTCACATTG	1199
1204	Qy	TTTTGGGATCAAACTTGATTAACATTTGCTCAATGAAGGCCAAGGGAGCAGCTGTTAGATTG	1263
1200	Db	TTTTGGGATCAAACTTGATTAACATTTGCTCAATGAAGGCCAAGGGAGCAGCTGTTAGATTG	1259
1264	Qy	GACTTCAACAAATGTCGAGTACAGACCTGCTGAATGCACTGAAGACAGTAAATTAATGAT	1323
1260	Db	GACTTCAACAAATGTCGAGTACAGACTTGTCTGAATGCAATGGAAGAGAGTAAATTAATGAT	1319
1324	Qy	CTTTTATAAAGAGAAATTTATGAAATTAATCAAGAAATTCAAACATGATCAACCAAGTAAAG	1383
1320	Db	CTTTTATAAAGAGAAATGTTATGAAATTAATCAAGAAATTCAAACATGATCAACCAAGTAAAG	1379
1384	Qy	CCCTGGGATCGAGCAGCTTTCTGGATTTGAATTTGTCAATGCCCAACAAAGAGGCCAACAC	1443
1380	Db	CCCTGGGATCGAGCAGCTTTCTGGATTTGAATTTGTCAATGCCCAACAAAGAGGCCAACAC	1439
1444	Qy	CTTCGAGTTGCGAGCCCATGACCTTCACTGGTTCAGTACCACTCTTTTGGATGTGATTGGG	1503
1440	Db	CTTCGAGTTGCGAGCCCATGACCTTCACTGGTTCAGTACCACTCTTTTGGATGTGATTGGG	1499
1504	Qy	TTTCTGCTGCCCTGTGTGGCAACTGTGTGATATTTATCATCAAAAGTTTGTCTGTTTTGT	1563
1500	Db	TTTCTGCTGCCCTGTGTGGCAACTGTGTGATATTTATCGTCAAAATTTGTGTCTGTTTTGT	1559
1564	Qy	TTCTGGAAGTTTCTAGAAAAGGGAAGAGGGAAAAAGAGATTAGTTATGTCGTGACATTTT	1623
1560	Db	TTCTGGAAGTTTCTAGAAAAGGGAAGAGGGAAAAAATGATTTAGTTATATCTGAGATTT	1619
1624	Qy	GAGCTCGAAAAACAGATAGATAGGACAACTTCAGTTTATTTCCAGCAAGAAAGAAAGAT	1683
1620	Db	GAGCTCGAAAAACAGATAGGAGAGTACTTTCAGTTTATTTCCAGCAAG - -AAGAT	1674

QY 1384 CCCCTGGATCGAGCAGTCTCTGGATTGAATTTGTTCATGCCCCACAAAGAGGCCAAACAC 1443
Db 1380 CCCCTGGATCGAGCAGTCTCTGGATTGAATTTGTTCATGCCCCACAAAGAGGCCAAACAC 1439
QY 1444 CTTTGGAGTTGCGAGCCCATGACCTCAGCTGCTGCTCCAGTACCACTCTTTGGATGCTGATGGG 1503
Db 1440 CTTTGGGTTGCGAGCCCATGACCTCAGCTGCTGCTCCAGTACCACTCTTTGGATGCTGATGGG 1499
QY 1504 TTTCTGCTGGCTGTGTGGCAACTGTGATATTTATTCATCACAAAGTTTGTCTGTTTTGT 1563
Db 1500 TTCTGCTGGCTGTGTGGCAACTGTGATATTTATTCATCACAAAGTTTGTCTGTTTTGT 1559
QY 1564 TTCTGGAAGTTTGTCTAGAAAAGGGAAGGGAAGGGAAGGATAGTTATGCTGACATTT 1623
Db 1560 TTCTGGAAGTTTGTCTAGAAAAGGGAAGGGAAGGGAAGGATAGTTATGCTGAGATTT 1619
QY 1624 GAAGCTGGAAAACCATAGATAGACAACTTTCAGTTTATTCACCAAGAAAGAAAGAT 1683
Db 1620 GAAGCTGGAAAACCATAGATAGGAGACTTTCAGTTTATTCACCAAG-----AAGAT 1674
QY 1684 TGTATGCAAGATTTCTTTCTTCTGCTGAC 1713
Db 1675 TGTGATGCAAGATTTCTTTCTTCTGAGAC 1704

RESULT 12

US-10-205-522-39
; Sequence 39, Application US/10205522
; Publication No. US2003007629A1
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Andrew
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; FILE REFERENCE: 2B15 (UGT2B15) Genes
; CURRENT APPLICATION NUMBER: US/10/205,522
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: US/09/356,806
; PRIOR FILING DATE: 1999-07-20
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 39
; LENGTH: 1854
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (15)...(1584)
US-10-205-522-39

Query Match 84.3%; Score 1443.6; DB 14; Length 1854;
Best Local Similarity 91.5%; Pred. No. 0;
Matches 1564; Conservative 0; Mismatches 139; Indels 7; Gaps 3;

QY 4 GCATTGACACAGGATGCTCTGAAATGCACTTTCAGTTTCTTCTGCTGATACATCTCCAGTT 63
Db 2 GCATTGACACAGGATGCTCTGAAATGCACTTTCAGTTTCTTCTGCTGATACATCTCCAGTT 60
QY 64 GTTACTTTAGCTCTGGGAGTTTGTGAAAGTGTGTTGGTGGCCGCGAGAAATACAGCCATT 123
Db 61 TTTGCTTTAGCTCTGGGAAATTTGTGAAAGTGTGTTGGTGGCCGCGAGAAATACAGCCATT 120
QY 124 GGATGAATATGAAGCAATCTCTGAAAGAGCTTGTTCAGAGAGGTTCATGAGTGTGACTGTAC 183
Db 121 GGATGAATATGAAGCAATCTCTGAAAGAGCTTGTTCAGAGAGGTTCATGAGTGTGACTGTAC 180
QY 184 TGGCATCTTCAGCTTCCATTCTTTTGTATCCCAATGATGCACTCTTAAATTTGAAG 243
Db 181 TGGCATCTTCAGCTTCCATTCTTTTGTATCCCAATGATGCACTCTTAAATTTGAAG 240

QY 244 TTTATCTTACATCTTTAACTAAACTGAATTTGAGAAATATCATCATGCAACAGAGTTAAAGA 303
Db 241 TTTATCCACATCTTTAACTAAACTGAATTTGAGAAATTTTCATCATGCAACAGATTTAAGA 300
QY 304 GATGGTCAGACATTCGAAAAGATAGCTTTTGGTTATATTTTTCACAAAGAACAAAGAAATCC 363
Db 301 GATGGTCAGACATTCGAAAAGATACATTTTGGTTATATTTTTCACAAAGTACAGGAAATCA 360
QY 364 TGTGGAAATATATGACATATTTTGAAGACTTCTGTAAAGATGTAGTTTCAATTAAGAAG 423
Db 361 TGTCAATATTTGGTGAACATACTAGAAGTCTGTAAAGATGTAGTTTCAATTAAGAAT 420
QY 424 TTATGAAAAAACTACAAGAGTCAAGATTTGACATCGTTTTCGAGATGCTGTTTTCCCT 483
Db 421 TTATGAAAAAAAGTACAAGAGTCAAGATTTGACGTCATTTTTCGAGATGCTATTTTCCCT 480
QY 484 GTGGTAGCTGCTGGCTGCGCTACTTAACTACACGTTTGTGTGTACAGTCTCGCTTTTACTC 543
Db 481 GTAGTAGCTGCTGGCTGAGCTATTTAACTACACGTTTGTGTGTACAGTCTCAGCTTCTCTC 540
QY 544 CTGGCTACAAATTTGAAAGGCACAGTGGAGCTGATTTTCCCTCTTCTTACATACCTA 603
Db 541 CTGGCTACACTTTTGAAGAGCATAGTGGAGGATTTATTTTCCCTCTTCTTACGTAACCTG 600
QY 604 TTGTTATGTCAAAAATTAAGTGAATCAAAATGACTTTTCATGGAGAGGTAAGAAATATGATCT 663
Db 601 TTGTTATGTCAGAAATTAAGTGAATCAAAATGACTTTTCATGGAGAGGTAAGAAATATGATCT 660
QY 664 ATGTGCTTTATTTTGGACTTTTGGTTTCCAAATGTCTGATATGAAGAGTGGGATCAGTTTT 723
Db 661 ATGTGCTTTACTTTGACTTTTGGTTTCCAAATTAATTTGACATGAAGTGGGATCAGTTTT 720
QY 724 ACAGTGAAGTTTATGGAAGACCCACTACTTATTTGAGACAAATGGGAAAGCTGACATAT 783
Db 721 ATAGTGAAGTTTATGGAAGACCCACTACTTATTTGAGACAAATGGGAAAGCTGACATAT 780
QY 784 GGCTTATGCGAAACTCTCGAGATTTTCAATTTCTCTCATCTTCTTACCAACGTTGATT 843
Db 781 GGCTTATGCGAAACTCTCGAGATTTTCAATTTCTCTCATCTTCTTACCAATGTTGATT 840
QY 844 TTGTTGAGGATTCCTACTGGCAAACTCTGCCAAACCTCTTACCTAAGGAAATGGAGAGTTT 903
Db 841 TTGTTGAGGATTCCTACT-GCAAACTCTGCCAAACCTCTTACCTAAGGAAATGGAGAGTTT 899
QY 904 GTACAGAGCTCTGGAGAAATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 963
Db 900 GTACAGAGCTCTGGAGAAATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 959
QY 964 ATGACAGAGAAAGGGCCAAATGTAATTTGCAACAGCCCTTGCAGAGATCCCAAAAGGTT 1023
Db 960 ATGACAGAGAAAGGGCCAAACGTAATTTGCAATGAGCCCTTGCAGAGATCCCAAAAGGTT 1019
QY 1024 CTGTGGAGATTTGATGGGAATAAACCCAGATGCCCTTAGGTCTCAATATCTCGGCTGTATAAG 1083
Db 1020 CTGTGGAGATTTGATGGGAATAAACCCAGATGCCCTTAGGTCTCAATATCTCGGCTGTACAG 1079
QY 1084 TGGATACCCAGAGATGACCTTTAGGTCTATCCAAAACCCAGAGCTTTTATAACTCATGGT 1143
Db 1080 TGGATACCCAGAGATGACCTTTAGGTCTATCCAAAACCCAGAGCTTTTATAACTCATGGT 1139
QY 1144 GGAGCCAAATGGCATCTATGAGGCAATCTACCATGGGATCCCTATGGTGGGATTTCCATTG 1203
Db 1140 GGAGCCAAATGGCATCTACGAGGCAATCTACCATGGGATCCCTATGGTGGGATTTCCATTG 1199
QY 1204 TTTTGGGATCAACTGTGATACATTTGCTACATGAAGCCCAAGGAGGAGCTGTTTAGATTG 1263
Db 1200 TTTTGGGATCAACTGTGATACATTTGCTACATGAAGCCCAAGGAGGAGCTGTTTAGATTG 1259
QY 1264 GACTTCAACAATGTGAGTACAGACTCTGTAATGCACTGAGAGACAGTAATTAATGAT 1323
Db 1260 GACTTCAACAATGTGAGTACAGACTCTGTAATGCACTGAGAGAGTAATTAATGAT 1319
QY 1324 CCTTTATATAAGAGAAATATTTGAATTTATCAAGAAATTTCAACATGATCAACCGTAAG 1383

Db 1320 CTTTCATATAAGAGAAATGTTATGAAATTATCAAGAAATCAACATGATCAACCAAGTGAAG 1379
Qy 1384 CCCCTGGATCGAGCAGTCTTCTGGATGAAATTTGTTCATGCCCCCAAAAGGAGCCAAACAC 1443
Db 1380 CCCCTGGATCGAGCAGTCTTCTGGATGAAATTTGTTCATGCCCCCAAAAGGAGCTAAACAC 1439
Qy 1444 CTTTCAGTTGAGCCCATGACCTCACCTGGTTCAGTACCACTCTTTTCGATGTGATTTGGG 1503
Db 1440 CTTTCGGGTTCAGCCCAAGCCTCACCTGGTTCAGTACCACTCTTTTCGATGTGATTTGGG 1499
Qy 1504 TTTCTGCTGGCTGTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGTTTTGT 1563
Db 1500 TTCTGCTGTGTGTGGCAACTGTGATATTTATCGTCAAAATGTGTCTGTTTTGT 1559
Qy 1564 TTTCTGGAATTTGCTAGAAAAGGGAGAAAGGAAAAGAGATTAGTTATGCTGCACATTT 1623
Db 1560 TTTCTGGAATTTGCTAGAAAAGCAAAGGAAAAGGAAAATGATTAGTTATATCTCGATTT 1619
Qy 1624 GAAGCTGAAAACCATAGATAGTACCAACTTCAGTTTATTTCCAGCAAGAAAGAAAGAT 1683
Db 1620 GAAGCTGAAAACCTGATAGTGTGAGACTACTTCAGTTTATTTCCAGCAAG-----AAAGAT 1674
Qy 1684 TGTATGCAAGATTTCTTTCTTCCTGTGAC 1713
Db 1675 TGTGATGCAAGATTTCTTTCTTCCTGAGAC 1704

RESULT 13

US-09-981-353-193
; Sequence 193, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 193
; LENGTH: 1714
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 088078CB1
US-09-981-353-193

Query Match 83.9%; Score 1436.4; DB 9; Length 1714;

Best Local Similarity 91.3%; Pred. No. 0;

Matches 1558; Conservative 0; Mismatches 141; Indels 7; Gaps 3;

Qy 1 ATCCGATTCACCGAGTACTCTGAAATGACATTCAGTTCTCTGCTGATACATCTCCA 60
Db 16 ATTGATTTGCACCAAGATGTCGTGAAATGACATTCAGTTTTCCTAAATACAACT-GA 74
Qy 61 GTTGTACTTTAGCTCTGGGAGTTGTGGAAAGTGTCTGTTGGGCCGAGAAATACAGCC 120
Db 75 GCTTTTGTCTTAGCTCTGGGAATTTGTGAAAGTGTCTGTTGGGCAGCAAGATACAGCC 134
Qy 121 ATTGATGAATATGAGCAATCTCTGAAAGCTTTGTTTCAGAGAGTTCATGAGTGACTG 180
Db 135 ATTGATGAATATGAGCAATCTCTGAAAGCTTTGTTTCAGAGAGTTCATGAGTGACTG 194
Qy 181 TACTGGCATCTTCAGTTCCATCTCTTTTGTATCCCAATGATGCCATCTTAAATTTG 240
Db 195 TACTGGCATCTTCAGTTCCATCTCTTTTGTATCCCAACCACTCAATCCGCTCTTAAATTTG 254
Qy 241 AAGTTTATCTACATCTTTTAACTAAAACCTGAATTTGAGAATATCATCATGCAACAGGTTA 300
Db 255 AAAATTTATCCCATCTTTTAACTAAAACCTGAGTTGGAGAAATTTTCATCATGCAACAGATTA 314

Qy 301 AGAGATGGTCAGACATTCGAAAAGATAGCTTTTGGTTATATATTTTTCACAAGAAACAAGAAA 360
Db 315 AGAGATGGTCAGACATTCGAAAAGATAGCTTTTGGTTATATATTTTTCACAAGTAACAGGAAA 374
Qy 361 TCCTGTGGGAATATATAGACATATTTAGAAACTTCTGTAAAGATGTAGTTTCAATTAAGA 420
Db 375 TCATGTCAATATTTGGTGAATTAACCTAGAAAAGTTCTGTAAAGATGTAGTTTCAATTAAGA 434
Qy 421 AAGTTATGAAAAAATACTAAGAGTCAAGATTTGACATCGTTTTCGAGATGCTGTTTTTC 480
Db 435 AATTTATGAAAAAAGTACAAGAGTCAAGATTTGACGTCATTTTTCGAGATGCTATTTTTTC 494
Qy 481 CCTGTGTGAGCTGCTGGCTGCGCTACTTAAACATACOGTTTGTGTACAGTCTCGCTTTTA 540
Db 495 CCTGTGTGAGCTGCTGGCTGAGCTATTTAAACATACCTTTTGTGTACAGTCTCAGCTTCT 554
Qy 541 CTCTCTGCTACACAAATTTGAAAGGCACAGTGGAGGACTGATTTTCCCTCCTTCTTACATAC 600
Db 555 CTCTCTGCTACACATTTTGAAGAGCATAGTGGAGGATTTATTTTCCCTCCTTCTTACGTTAC 614
Qy 601 CTATTTGTATGTCAAAATTAAGTGAATCAAAATGACTTTTCATGGAGAGGGTAAAAAATATGA 660
Db 615 CTGTTGTATGTGAGAAATTAACCTGATCAAAATGACTTTTCATGGAGAGGGTAAAAAATATGA 674
Qy 661 TCTATGTGCTTTATTTGACTTTTGGTTCCAATGTCTGATATGAAGAGTGGGATCAGT 720
Db 675 TCTATGTGCTTTACTTTGACTTTTGGTTCGAAATTAATTGACATGAAGAGTGGGATCAGT 734
Qy 721 TTTACAGTGAAGTTTATAGGAAGACCCACTACTCTTTATTTGAGACAATGGGAAAAGCTGACA 780
Db 735 TTTATAGTGAAGTTCTAGGAAGACCCACTACTGTTATCTGAGACAATGGGAAAAGCTGACG 794
Qy 781 TATGGCTTATGCGAAACTCCTCGGAGTTTCAATTTCTCTCATCCATTTCTTACCAACGTTG 840
Db 795 TATGGCTTATTCGAAACTCCTCGGAATTTTCAGTTTCTCTCATCCACTCTTACCAAAATGTTG 854
Qy 841 ATTTTGTGGAGGATTCCTACTGGCAAACTGCCAAACCCCTACCTTAAGGAATGAGAGAG 900
Db 855 ATTTTGTGGAGGACTCCACT-GCAAAACCTGCCAAACCCCTGCGCTTAAGGAATGGAAGAC 913
Qy 901 TTTGTACAGAGCTCTGGAGAAAATGGTGTGTGTGTTTCTCTGGGGTCTAGTCATTAAGT 960
Db 914 TTTGTACAGAGCTCTGGAGAAAATGGTGTGTGTGTTTCTCTGGGGTCAATGGTCACT 973
Qy 961 AACATGACAGCAAGAAAGGGCCAAATGTAATTGCAACAGCCCTTGGCCAGATCCCAAAAAG 1020
Db 974 AACATGACAGAAAGAAAGGGCCAAACGTAATTGCAATCAGCCCTTGGCCAGATCCCAAAAAG 1033
Qy 1021 GTTCTGTGGAGATTTGATGGGAATAAACAGATGCTCTTAGGTCTCAATACTCGGCTGTAT 1080
Db 1034 GTTCTGTGGAGATTTGATGGGAATAAACAGATACCTTTAGGTCTCAATACTCGGCTCTAC 1093
Qy 1081 AAGTGGATACCCCAAGATGACCTTCTAGGTCTATCCAAAAACAGAGCTTTTATAACTCAT 1140
Db 1094 AAGTGGATACCCCAAGATGACCTTCTAGGTCTATCCAAAGACAGAGCTTTTATAACTCAT 1153
Qy 1141 GGTGGAGCCAAATGGCATCTATGAGGCAATCTACCATGGGATCCCTATGTGGGGCATTTCCA 1200
Db 1154 GGTGGAGCCAAATGGCATCTACAGGCAATCTCTACCTGGGATCCCTATGTGGGGATTTCCA 1213
Qy 1201 TTGTTTGGGATCAACCTGATTAACATTTGCTCACAATGAAGCCCAAGGAGCGAGCTTTAGA 1260
Db 1214 TTGTTTGGCTGATCAACCTGATTAACATTTGCTCACAATGAAGCCCAAGGAGCGAGCTTTAGA 1273
Qy 1261 TTGGACTTCAACCAATGTGAGTACAGACTGCTGTAATGCATCTGAAGACAGTAAATTAAT 1320
Db 1274 GTGGACTTCAACCAATGTGAGTACAGACTGCTGTAATGCATCTGAATGAAGAGTAAATTAAT 1333
Qy 1321 GATCCTTTATATAAGAGAAATATTTATGAAATTTATCAAGAAATTTCAACATGATCAACCAAGTA 1380
Db 1334 GATCCTTTATATAAGAGAAATGTTATGAAATTTATCAAGAAATTTCAACATGATCAACCAAGTG 1393


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Db 899 GAGAAATGGTGTCTTGGTGTCTCTCGGGTCAATGGTCAGTAAACATGACAGAGAAA 958
QY 977 GGGCCCAATGTAATTCGAAACAGCCCTTGGCCAGATCCCAACAAAGGTTCTGTGGAGATTG 1036
Db 959 GGGCCCAACGTAATTCGATCAGCCCTTGGCCAGATCCCAACAAAGGTTCTGTGGAGATTG 1018
QY 1037 ATGGGAATAAACCCAGATCGCTTAGTCTCAATACCTCGGCTGTATAGTGGATACCCCGA 1096
Db 1019 ATGGGAATAAACCCAGATCACTTAGTCTCAATACCTCGGCTGTATAGTGGATACCCCGA 1078
QY 1097 ATGACCTTCTAGGTCAATCAAAAACCCAGAGCTTTTATAAATCACTCATGGTGGAGCCAAATGGCA 1156
Db 1079 ATGACCTTCTAGGTCAATCAAAAGCCAGAGCTTTTATAAATCACTCATGGTGGAGCCAAATGGCA 1138
QY 1157 TCTATGAGGCAATCAACATGGATGCCATATGGTGGCAATCCATTTGTTGGGATCAAC 1216
Db 1139 TCTACGAGCAATCTACCATGGATGCCATATGGTGGGATCCATTTGTTGGCGATCAAC 1198
QY 1217 CTGATAACATTTGCTCACATGAAGCCAGGAGGAGCTGTATAGTGGATCAACAA 1276
Db 1199 CTGATAACATTTGCTCACATGAAGCCAGGAGGAGCTGTATAGTGGATCAACAA 1258
QY 1277 TGTGAGTACAGACCTGCTGAATGCACTGAAGACAGTAATTAATGATCCTTTATATAAG 1336
Db 1259 TGTGAGTACAGACTTGTGAATGCACTGAAGACAGTAATTAATGATCCTTTATATAAG 1318
QY 1337 AGAATATTATGAATTTATCAAGAAATTCACATGATCAACACAGTAAAGCCCTGGATCGAG 1396
Db 1319 AGAATATTATGAATTTATCAAGAAATTCACATGATCAACACAGTAAAGCCCTGGATCGAG 1378
QY 1397 CAGTCTTCTGATGAATTTGCTGATGCACTGAAGACAGTAATTAATGATCCTTTATATAAG 1456
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QY 1457 CCCATGACCTCACTGGTTTCCAGTACCACTCTTTGGATGTGATTTGGGTTTCTGCTGGCT 1516
Db 1439 CCCAGACCTCACTGGTTTCCAGTACCACTCTTTGGATGTGATTTGGGTTTCTGCTGGCT 1498
QY 1517 GTGTGGCAACTGTGATATTATCATCAAAAGTTTGTCTGTTTGTGTTTGTGGAAGTTTG 1576
Db 1499 GTGTGGCAACTGTGATATTATCATCAAAAGTTTGTCTGTTTGTGTTTGTGGAAGTTTG 1558
QY 1577 CTAGAAAGGGAAGAGGGAAGAGATTTAGTATGCTGACATTTGAAAGCTGGAAC 1636
Db 1559 TTAGAAAGGGAAGAGGGAAGAGATTTAGTATGCTGACATTTGAAAGCTGGAAC 1617
QY 1637 CAGATAGTAGGACAACTTCAG 1658
Db 1618 CTGATAGGTGAGACTACTTCAG 1639
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RESULT 15

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US-10-205-522-7
; Sequence 7, Application US/10205522
; Publication No. US2003007629A1
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; FILE REFERENCE: SEQ-22PRV2
; CURRENT APPLICATION NUMBER: US/10/205,522
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: US/09/356,806
; PRIOR FILING DATE: 1999-07-20
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 2092
; TYPE: DNA
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; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (38) ... (1621)
US-10-205-522-7

Query Match      79.1%; Score 1354.2; DB 14; Length 2092;
Best Local Similarity 88.8%; Pred. No. 0;
Matches 1522; Conservative 0; Mismatches 183; Indels 8; Gaps 5;

QY 1 ATCCCATTTGCACAGGATGACTCTGAAATGAGCTTCAGTTCTTCTGTGTGATACATCTCCA 60
Db 22 ATTGCATTTGCATCAGGATGCTATGAAATGAGCTTCAGCTCTTCTGTGTGATACAGCT-GA 80
QY 61 GTTGTATTCTTAGCTCTGGGAGTTGTGAAAAGTGTGTGTGTGGGCCGCAAGATACAGCC 120
Db 81 GCTGTATTCTTAGCTCTGGGAGTTGTGAAAAGTGTGTGTGTGGGCCGCAAGATTCAGCC 140
QY 121 ATTGGATGAATATGAAGACAAATCCTGAAGAGCTTGTTCAGAGAGGTCATGAGTGACTG 180
Db 141 ACTGGATGAATATGAAGACAAATCCTGGATGAACCTTGTCCAGAGAGGTCATGAGTGACTG 200
QY 181 TACTGGCATCTTCAGCTTCCATTTCTTTTGAATCCCAATGATGCACTCTTAAATTTG 240
Db 201 TATTGGCATCTTCAGCTTCCATTTCTTTTGAATCCCAAGCCCACTACTCTTAAATTTG 260
QY 241 AAGTTTATCTCTACATCTTTAACTAAACTGAAATTTGAGAATATCATCATGCAACAGGTTA 300
Db 261 AAGTTTATCTCTGATCTTTAACTAAACTGAAATTTGAGGATATTTATCAAGCAGCTGGTTA 320
QY 301 AGAGATGGTCAGACATTCGAAAAGATAGCTTTTGGTTATATTTTTCAGAAACAAGAAA 360
Db 321 AGAGATGGGAGAACTTCCAAAAGACACATTTTGGTCAATATTTTTCACAAAGAA 380
QY 361 TCCTGTGGGAATATATATGACATATTTAGAAACTTCTCTGAAAGATGTAGTTTCAAAATAAGA 420
Db 381 TCATGTGACATTTAATGACATCTTAAAGAAAGTTCTGTAGGATATAGTTTCAAAATAAGA 440
QY 421 AAGTTTATGAAAAAACAATAAGAGTCAAGATTTGACATCGTTTGTGAGATGCTGTTTTTC 480
Db 441 AACTTATGAAAGAACTACAGAGTCAAGATTTGATGTTGTTTTCGACAGATGCTGTTTTTC 500
QY 481 CCTGTGTGAGCTGCTGGCTGCGCTACTTAACATACGGTTTGTGTAGCTTCGCTTCA 540
Db 501 CCTTGTGTGAGCTGCTGGCGAGTTACTTAAATACCCCTTTGTCTACAGCCTTCGCTTCT 560
QY 541 CTCTGTGCTACAAATTTGAAAGGCACAGTGGAGGACTGATTTTCCCTCTCTCTACATAC 600
Db 561 CTCTGTGCTAGCCAAATTTGAAAGGCATAGTGGAGGACTTCTGTTCCTCTCTATGTGC 620
QY 601 CTATTGTTATGTCAAAATTAAGTGATCAATGACTTTTCATGGAGAGGGTAAAAAATATGA 660
Db 621 CTGTTGTTATGTCAAGAACTAAGTGACCAATGACTTTTCATAGAGAGGGTAAAAAATATGA 680
QY 661 TCTATGTGCTTTATTTGACTTTTGGTTCCAAATGTCTGATATGAAGTGGATCAGT 720
Db 681 TCTATGTGCTTTATTTTGAATTTTGGTTTCCAAATTAATTTGACATGAAGTGGATCAGT 740
QY 721 TTTACAGTGAAGTTTATAGGAAGACCCACTACTCTTTATTTGAGACAATGGGAAAAGCTGACA 780
Db 741 TCTACAGTGAAGTTCTTAGGAAGACCCACTAGTTTATCTGAGACAAATGGCAAAAGCTGACA 800
QY 781 TATGGCTTATGCGAAACTCCTCGGAGTTTCAATTTCTCATCCATTTTACCAACGTTG 840
Db 801 TATGGCTTATTCGAAACTACTGGGATTTTCAATTTCTCTACCCCACTCTTACCAAAATGTTG 860
QY 841 ATTTTGTGGAGGATTTCCACTGGCAAACTCCCAAAACCCCTACTACTAGGAATTCGAGAG 900
Db 861 AGTTGTTGGAGGACTCCACT-GCAAAACCTGCCAAACCCCTACTAGGAATTCGAGAG 919
QY 901 TTTGTACAGAGCTCTGGAGAAAATGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 960
Db 920 TTTGTCCAGAGCTCTGGAGAAAATGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 979
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

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(without alignments)
8468.103 Million cell updates/sec

Title: US-09-721-183-2

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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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6: /cgn2_6/ptodata/1/ina/backfiles.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1564.4	91.3	1708	4	US-09-949-016-2595
2	1519	88.7	1629	4	Sequence 2595, Ap
3	1443.6	84.3	1854	4	Sequence 2596, Ap
4	1364.2	79.6	1832	4	Sequence 39, Appl
5	1354.2	79.1	2092	4	Sequence 2734, Ap
6	1349.4	78.8	2092	4	Sequence 7, Appli
7	1349.4	78.8	2092	4	Sequence 2594, Ap
8	1343	78.4	2093	4	Sequence 3181, Ap
9	1201.6	70.1	2107	3	Sequence 1128, Ap
10	1188.8	69.4	1976	4	Sequence 1, Appli
11	1128.8	65.9	1413	3	Sequence 112, App
12	1128.8	65.9	1413	4	Sequence 1, Appli
13	941.8	55.0	1323	4	Sequence 1, Appli
14	941.8	55.0	1323	4	Sequence 2735, Ap
15	742.8	43.4	2966	4	Sequence 2736, Ap
16	674.6	39.4	18373	4	Sequence 241, App
17	674.6	39.4	18452	4	Sequence 14337, A
18	634.6	37.0	1001	4	Sequence 14337, A
19	602.6	35.2	1686	4	Sequence 403, App
20	579.2	33.8	1323	4	Sequence 41, Appl
21	579.2	33.8	19732	4	Sequence 1, Appli
22	579.2	33.8	19732	4	Sequence 12870, A
23	579.2	33.8	19732	4	Sequence 14923, A
24	520	30.4	20441	4	Sequence 14336, A
25	491.4	28.7	2312	4	Sequence 14476, A
26	489.8	28.6	20599	4	Sequence 114, App
27	489.8	28.6	20599	4	Sequence 14477, A
28	489.8	28.6	20599	4	Sequence 14478, A
29	489.8	28.6	20599	4	Sequence 14479, A
30	489.8	28.6	20599	4	Sequence 14480, A
31	489.8	28.6	20599	4	Sequence 14481, A
32	489.8	28.6	20599	4	Sequence 14482, A
33	489.8	28.6	20599	4	Sequence 14483, A
34	489.8	28.6	20599	4	Sequence 14484, A
35	489.8	28.6	20599	4	Sequence 14485, A
36	489.8	28.6	20599	4	Sequence 14486, A
37	489.8	28.6	20599	4	Sequence 14487, A
38	489.8	28.6	20599	4	Sequence 14488, A
39	489.8	28.6	20599	4	Sequence 14489, A
40	489.8	28.6	20599	4	Sequence 14490, A
41	489.8	28.6	20599	4	Sequence 14491, A
42	489.8	28.6	20599	4	Sequence 14492, A
43	489.8	28.6	20599	4	Sequence 14493, A
44	489.8	28.6	20599	4	Sequence 14494, A
45	489.8	28.6	20599	4	Sequence 14495, A

ALIGNMENTS

RESULT 1

US-09-949-016-2595
; Sequence 2595, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2595
; LENGTH: 1708
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2595

Query Match 91.3%; Score 1564.4; DB 4; Length 1708;
Best Local Similarity 96.0%; Pred. No. 0;
Matches 1638; Conservative 0; Mismatches 61; Indels 7; Gaps 3;

Qy	8	TGCACAGGATGACTCTGAATGGACTTCAGTTCTTCTGCTGATACATCTCCAGTTGTTA	67
Db	1	TGCACAGGATGCTGAAATGGGCTTCAGTTCTTCTGCTGATACATCT-CAGTTGTTA	59
Qy	68	CTTTAGCTCTGGGAGTTGTGAAAGCTGGTGTGGCCGACAGAAATACAGCCATTGGAT	127
Db	60	CTTTAGCTCTGGGAGTTGTGAAAGCTGGTGTGGCCGACAGAAATACAGCCATTGGAT	119
Qy	128	GAATATGAAGCAATCTCTGAAAGAGCTTGTTCAGAGAGGTGATGAGTGTGCTGCTGGC	187
Db	120	GAATATGAAGCAATCTCTGAAAGAGCTTGTTCAGAGAGGTGATGAGTGTGCTGCTGGC	179
Qy	188	ATCTTACAGTTCATCTTTTGTATCCCATGATGATGATGATGATGATGATGATGATGATGAT	247
Db	180	ATCTTACAGTTCATCTTTTGTATCCCATGATGATGATGATGATGATGATGATGATGATGAT	239
Qy	248	TCCTACATCTTTTAACTAAACTGAAATTTGAGATATCATGATGATGATGATGATGATGATGAT	307
Db	240	TCCTACATCTTTTAACTAAACTGAAATTTGAGATATCATGATGATGATGATGATGATGATGAT	299
Qy	308	GTCAGACATTCGAAAGAGTAGCTTTTGGTTATATTTTTCACAGAACACAGAAATCCTGTG	367

Sequence 412, App
Sequence 45, Appl
Sequence 405, App
Sequence 2, Appli
Sequence 76, Appl
Sequence 1813, Ap
Sequence 1, Appli
Sequence 6, Appli
Sequence 17, Appl
Sequence 352, App
Sequence 353, App
Sequence 354, App
Sequence 118, App
Sequence 427, App
Sequence 424, App
Sequence 3284, Ap
Sequence 428, App
Sequence 404, App

28 480.4 28.0 1001 4 US-09-671-317-412
29 326.6 19.1 596 4 US-09-356-806-45
30 320 18.7 1001 4 US-09-671-317-405
31 319.4 18.6 2339 5 PCT-US92-00282-2
32 299.6 17.5 2351 4 US-09-949-016-76
33 299.6 17.5 2351 4 US-09-949-016-1813
34 298 17.4 2336 5 PCT-US92-00282-1
35 266.2 15.5 1589 4 US-09-356-806-6
36 265.8 15.5 735 4 US-09-305-856B-17
37 264.2 15.4 1001 4 US-09-671-317-352
38 263 15.4 1001 4 US-09-671-317-353
39 263 15.4 1001 4 US-09-671-317-354
40 246 14.4 978 4 US-09-356-806-118
41 244.4 14.3 1001 4 US-09-671-317-427
42 230 13.4 1001 4 US-09-671-317-424
43 220.6 12.9 350 4 US-09-513-999C-3284
44 217 12.7 1001 4 US-09-671-317-428
45 208.4 12.2 1001 4 US-09-671-317-404

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||||| 300 GTCAGACATCCAAAGATACATTTTGGTATATATTTTTCACAAAGCAAGAAATGCTGTGA 359
||||| 368 GGAATATATAGACATATTTAGAACTTCTGTAAGATGTAGTTTCAATAAAGAAAGTTAT 427
||||| 360 GGAATATACATATATTTAGAAAATTTCTGTAAGATCTCATTTTCAATAAAGAAATTTAT 419
||||| 428 GAAAAACTACAAGAGTCAAGATTTGACATCGTTTTCAGATGCTGTTTTCCCTGGG 487
||||| 420 GAAAAAATATAAAGAGTCAAGATTTGACATCGTTTTCAGATGCTTTTTTCCCTGGG 479
||||| 488 TGAGCTGCTGGCTGGCTACTTTAAACATACGGTTTGTGTAAGTCTCCGCTTTTACTCCCTGG 547
||||| 480 TGAGCTGCTGGCTGGCTACTTTAAACATACCTTTGTGTAAGTCTCCGCTTTTACTCCCTGG 539
||||| 548 CTACACAATTAAGAGGCAAGTGGAGGACTGATTTTCCCTCTCATACATACCTATTGT 607
||||| 540 CTACACAGTTGAAAGGCAAGTGGAGGACTGATTTTCCCTCTCATACATACCTATTGT 599
||||| 608 TATGTCAAAATTAAGTGATCAAAATGACTTTTATGAGAGGGTAAATAATATGATCTATGT 667
||||| 600 TATGTCAAAATTAAGTGATCAAAATGACTTTTATGAGAGGGTAAATAATATGATCTATGT 659
||||| 668 GCTTTATTTTTCAGCTTTGGTTCCAAATCTCTGATATGAAGAGTGGGATCAGTTTTCAG 727
||||| 660 GATTTATTTTTCAGCTTTGGTTCCAAATTAATGATATGAAGAGTGGGATCAGTTTTCAG 719
||||| 728 TGAAGTTTGAAGAGACCCACTACCTTATTTGAGACAAATGGGAAAGCTGACATATGGCT 787
||||| 720 TGAAGTTTGAAGAGACCCACTACCTTATTTGAGACAAATGGGAAAGCTGACATATGGCT 779
||||| 788 TATGGAAACTCTGGAGTTTTCATTTTCTTCATCCATCTTACCAACGTTGATTTGT 847
||||| 780 TATGGAAACTCTGGAAATTTTTCAGTTTCTCATCCATCTTACCAACGTTGATTTGT 839
||||| 848 TGGAGATTTCACCTGGCAAACTGGCAAACTGGCAAACTGGCAAACTGGCAAACTGGCA 907
||||| 840 TGGAGATTTCACCT-GCAAACTGGCAAACTGGCAAACTGGCAAACTGGCAAACTGGCA 898
||||| 908 AGAGCTCTGGAGAAAATGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 967
||||| 899 AGAGCTCTGGAGAAAATGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 958
||||| 968 CAGCAGAAAGGGCAATGATTTGCAACAGAGCTTTGCAAGAGCTTTGCAAGAGCTTTGCTGT 1027
||||| 959 CAGCAGAAAGGGCAACGTAATTTGCAACAGAGCTTTGCAAGAGCTTTGCAAGAGCTTTGCTGT 1018
||||| 1028 GGAGATTTGATGGGAATAAACACAGATGCTTTAGGTCTCAATCTCGGCTGTATAAGTGA 1087
||||| 1019 GGAGATTTGATGGGAATAAACACAGATGCTTTAGGTCTCAATCTCGGCTGTATAAGTGA 1078
||||| 1088 TACCCAGAAATGACCTTCTAGGTCTATCCAAACCAAGAGCTTTTATACTCATGTGGAG 1147
||||| 1079 TACCCAGAAATGACCTTCTAGGTCTATCCAAACCAAGAGCTTTTATACTCATGTGGAG 1138
||||| 1148 CCAATGGCATCTATGAGCAATCTACATGGGATCCCTATGGTGGGCAATTCATTTGTTT 1207
||||| 1139 CAAGTGGCATCTATGAGCAATCTACCATGGGATCCCTATGGTGGGCAATTCATTTGTTT 1198
||||| 1208 GGGATCAACCTGTAAACATTTCTACATGAAGGCCAAGGGAGCAGCTTTAGATTGGACT 1267
||||| 1199 GGGATCAACCTGTAAACATTTCTACATGAAGGCCAAGGGAGCAGCTTTAGATTGGACT 1258
||||| 1268 TCAACACAATGTGAGTACAGACCTGTGAAATGCACTGAAGACAGTAAATTAATGATCCTT 1327
||||| 1259 TCCACACAATGTGAGTACAGACCTGTGAAATGCACTGAAGACAGTAAATTAATGATCCTT 1318
||||| 1328 TATATAAGAGAAATATATGAATTTTCAAGAAATTTCAACATGATCAACAGTAAAGCCCC 1387
||||| 1319 TATATAAGAGAAATATATGAATTTTCAAGAAATTTCAACATGATCAACAGTAAAGCCCC 1378
||||| 1388 TGGATCGAGCAGTCTCTGGGATTTGAATTTGTGATGCCCCCACAAGAGGCCAAAACACCTTC 1447
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Db 1379 TGGATCGAGCAGTCTTCTGGATTGAATTTGTCTATGCCCAAGAGGACCAACACCTTC 1438
Qy 1448 GAGTTGAGGCCATGACCTCAGCTGGTTCCAGTACCACTCTTTTGGATGTGATGGGTTTC 1507
Db 1439 GAGTTGAGGCCGCTGACCTCAGCTGGTTCCAGTACCACTCTTTTGGATGTGATGGGTTTC 1498
Qy 1508 TGCTGGCTGTGTGGCACTGTGATATTTATCATCACAAAGTTTGTCTGTTTGTCTTCT 1567
Db 1499 TGCTGGCTGTGTGGCACTGTGATATTTATCATCACAAAGTTGTGTCTGTTTGTCTTCT 1558
Qy 1568 GGAAGTTTGTAGAAAAAGGAAAGGAAAGGAAAGGAAAGGAAAGGAAAGGAAAGGAAAG 1627
Db 1559 GGAAGTTTGTAGAAAAAGGAAAGGAAAGGAAAGGAAAGGAAAGGAAAGGAAAGGAAAG 1618
Qy 1628 CTGAAAAACAGATPAGATAGGACAACTTCAGTTTATTTCCAGCAAGAAAGAAAGGAAAGT 1687
Db 1619 CTGAAAAACCTGATAGATGGATGACATTTTATTTCCAGCAAG-----AAAGATTGTG 1673
Qy 1688 ATGCAAGATTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1713
Db 1674 ATGCAAGATTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1699

RESULT 2
US-09-949-016-2596
; Sequence 2596, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 2596
; LENGTH: 1629
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2596

Query Match 88.7%; Score 1519; DB 4; Length 1629;
Best Local Similarity 96.5%; Pred. No. 0;
Matches 1574; Conservative 0; Mismatches 55; Indels 2; Gaps 2;

Qy 7 TTGCACCAGGATGACTCTGAAATGGACTTCAGTTTCTTCTGCTGATACATCTCCAGTTGTT 66
Db 1 TTGCACCAGGATGACTCTGAAATGGACTTCAGTTTCTTCTGCTGATACATCT-CAGTTGTT 59
Qy 67 ACTTTAGCTCTGGAGTTGTGGAAGTTGTGTTGGGCGGCGCAGAAATACAGCAATGGA 126
Db 60 ACTTTAGCTCTGGAGTTGTGGAAGTTGTGTTGGGCGCAGAAATACAGCAATGGA 119
Qy 127 TGAATATGAGACAACTCTGAAAGAGCTTTCTTCAAGAGGTCATGAGGTGACTGTACTGG 186
Db 120 TGAATATGAGACAACTCTGAAAGAGCTTTCTTCAAGAGGTCATGAGGTGACTGTACTGG 179
Qy 187 CATCTTCAGCTTCCATTTCTTTTGTATCCCAATGATGATCCACTCTTTAAATTTTGAAGTTT 246
Db 180 CATCTTCAGCTTCCATTTCTTTTGTATCCCAAGGTCATCCACTCTTTAACTCGAAGTTT 239
Qy 247 ATCTTACATCTTTAACTTAAACTGAAATTTGAGAAATATCATCATGCAACAGGTTAAGAT 306
Db 240 ATCTTACATCTTTAACTTAAACTGAAATTTGAGAAATATCATCATGCAACAGGTTAAGAT 299
Qy 307 GGTGAGACATTCGAAAGATAGCTTTTGGTTATATTTTTCACAAAGCAAGAAATCTCTGT 366
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Db 300 GGTGATCGAGCAGTCTTCTGGAATTGTAATTTGTCATGCGCCACAAGGAGCCAAACACCTT 1438
Qy 367 GGGAAATTAATGACATATTTAGAACTTCTCTGTAAGAGTGTAGTTTCAAATAAGAAAGTTA 1506
Db 360 AGGAATTAACATGACATATTTAGAAAATTTCTGTAAGATCTCATTTCAAATAAGAACTTA 1498
Qy 427 TGAATAAACTACAAGAGTCAAGATTTGACATCGTTTGTGAGATGCTGTTTCCCTGTTG 1566
Db 420 TGAATAAACTATAAGAGTCAAGATTTGACATCGTTTGTGAGATGCTGTTTCCCTGTTG 1558
Qy 487 GTGAGCTGCTGCGTGCCTACTTAACATACCGTTTGTGTAAGTCTCCGCTTTACTCCTG 1626
Db 480 GTGAGCTGCTGCGTGCCTACTTAACATACCGTTTGTGTAAGTCTCCGCTTTACTCCTG 1618
Qy 547 GCTACACAATTTGAAGGACAGTGGAGCTGATTTTCCCTCCTTCTTACATACCTATTG 606
Db 540 GCTACACAGTTGAAGGACAGTGGAGCTGATTTTCCCTCCTTCTTACATACCTATTG 599
Qy 607 TTATGTCMAAATTAAGTGATCAAAATGATCTTTTCATGGAGAGGTAAATAATGATCTATG 666
Db 600 TTATGTCMAAATTAAGTGATCAAAATGATCTTTTCATGGAGAGGTAAATAATGATCTATG 659
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Db 660 TGAATTTATTTGACTTTTGGTTCCAAATATGATATGAAGTGGATCGATTTTACA 719
Qy 727 GTGAAGTTTATAGGAAGCCCACTACTTATTTGAGACAAATGGGAAAGCTGACATATGGC 786
Db 720 GTGAAGTTTATAGGAAGCCCACTACTTATTTGAGACAAATGGGAAAGCTGACATATGGC 779
Qy 787 TTATGCGAAACTCTGGAGTTTCAAATTTCTCATCCATTTCTTACCAAACTGTTGATTTG 846
Db 780 TTATGCGAAACTCTGGAGTTTCAAATTTCTCATCCATTTCTTACCAAACTGTTGATTTG 839
Qy 847 TTGAGAGTTTCACTGGCAAACTGCCAAACCTGCCAAACCTTACTTAAGAAATGGAGGATTTGTA 906
Db 840 TTGAGAGTTTCACT-GCAAACTGCCAAACCTGCCAAACCTTACTTAAGAAATGGAGGATTTGTA 898
Qy 907 CAGAGCTCTGAGAAAATGGTGTGTTGTTCTCTGGGTCAGTGATAGTAAACATG 966
Db 899 CAGAGCTCTGAGAAAATGGTGTGTTGTTCTCTGGGTCAGTGATAGTAAACATG 958
Qy 967 ACAGCAGAAAGGGCCAATGTAAATTCGCAACAGCCCTTGCAGATCCCAAAAGGTTCTG 1026
Db 959 ACAGCAGAAAGGGCCAAGTAAATTCGCAACAGCCCTTGCAGATCCCAAAAGGTTCTG 1018
Qy 1027 TGGAGATTTGATGGGAATAAACAGATGCTTGAAGTCTCAATATCTCGGCTGTATAAGTGG 1086
Db 1019 TGGAGATTTGATGGGAATAAACAGATGCTTGAAGTCTCAATATCTCGGCTGTATAAGTGG 1078
Qy 1087 ATACCCAGAGTACCTTCTAGGTCATCCAAACACAGAGCTTTTATAACTCATGTTGGA 1146
Db 1079 ATACCCAGAGTACCTTCTAGGTCATCCAAACACAGAGCTTTTATAACTCATGTTGGA 1138
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Db 1139 GCAATGGCATCTATAGGCAATCTACCATGGGATCCCTATGGTGGGCAATTCATTTGTT 1198
Qy 1207 TGGATCAACTGATATACTGCTCAATGAAGGCCAAGGGAGCAGCTGTTTGAATTTGGAAC 1266
Db 1199 TGGATCAACTGATATACTGCTCAATGAAGGCCAAGGGAGCAGCTGTTTGAATTTGGAAC 1258
Qy 1267 TTCAACCAATGTCGAGTACAGCTGCTGAATGCACTGAGACAGTAAATTAATGATCCT 1326
Db 1259 TTCAACCAATGTCGAGTACAGCTGCTGAATGCACTGAGACAGTAAATTAATGATCCT 1318
Qy 1327 TTATAAAGAGATATTTAAGAAATTTCAAGAAATTCAAATGATCAACAGTAAAGGCC 1386
Db 1319 TTATAAAGAGATATTTAAGAAATTTCAAGAAATTCAAATGATCAACAGTAAAGGCC 1378
Qy 1387 CTGGATCGAGCAGTCTTCTGGAATTTGATTTGTCATGCCCCCAAGAGGAGCCAAACACCTT 1446
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Db 1379 CTGGATCGAGCAGTCTTCTGGAATTGTAATTTGTCATGCGCCACAAGGAGCCAAACACCTT 1438
Qy 1447 CGAGTTGCGAGCCCATGACCTCACCTGGTTCCAGTACCACCTCTTTGGATGTGATTTGGGTTT 1506
Db 1439 CGAGTTGCGAGCCCATGACCTCACCTGGTTCCAGTACCACCTCTTTGGATGTGATTTGGGTTT 1498
Qy 1507 CTGCTGCGCTGTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGTTTGTGTTTC 1566
Db 1499 CTGCTGCGCTGTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGTTTGTGTTTC 1558
Qy 1567 TGAAGTTTCTGAGAAAGGGAAGGAAAGAGAGATTAGTTATGTCACATTTTGAA 1626
Db 1559 TGAAGTTTCTGAGAAAGGGAAGGAAAGAGAGATTAGTTATGTCACATTTTGAA 1618
Qy 1627 GCTGGAATAACC 1637
Db 1619 GCTGGAATAACC 1629
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RESULT 3
US-09-356-806-39
; Sequence 39, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; FILE OF INVENTION: 2B15 (UGT2B15) Genes
; FILE REFERENCE: SEQ-22PRV2
; CURRENT APPLICATION NUMBER: US/09/356.806
; CURRENT FILING DATE: 1999-07-20
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 39
; LENGTH: 1854
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (15)...(1584)
US-09-356-806-39

Query Match 84.3%; Score 1443.6; DB 4; Length 1854;
Best Local Similarity 91.5%; Pred. No. 0;
Matches 1564; Conservative 0; Mismatches 139; Indels 7; Gaps 3;

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Qy 64 GTTACTTTAGCTCTGGAGTTGTGAAAAGTGTGGTGTGGGCCGCAAGATACAGCCATT 123
Db 61 TTTGCTTTAGCTCTGGGAAATTGTGAAAAGTGTGGTGTGGGCCAGCAGAAATACAGCCATT 120
Qy 124 GGATGAATATGAAGCAATCTCTGAAAGAGCTTGTTCAGAGAGGTCATGAGTGACTGTAC 183
Db 121 GGATGAATATGAAGCAATCTCTGAAAGAGCTTGTTCAGAGAGGTCATGAGTGACTGTAC 180
Qy 184 TGGCATCTTCAGCTTCCATTCTTTTTCATCCCAATGATGATCCACCTCTTAAATTTTGAAG 243
Db 181 TGGCATCTTCAGCTTCCATTCTTTTTCATCCCAATGATGATCCCAATGATGATCCCAATTTGAAA 240
Qy 244 TTTATCTACATCTTTAACTAAACCTGAATTTTGAGAAATATCATCATGCAACAGGTTAAGA 303
Db 241 TTTATCCCATCTTTTAACTAAACCTGAATTTTGAGAAATTTTTCATCATGCAACAGATTAAGA 300
Qy 304 GATGGTCAGACATTCGAAAAGATAGCTTTTGGTTATATTTTTCACAGAACAAAGATCC 363
Db 301 GATGGTCAGACCTTCCAAAAGATACATTTTGGTTATATTTTTCACAGAACAAAGATCA 360
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QY 304 GATGTCAGACATTCGAAAGATAGCTTTTGGTTATATATTTTTCACAAGAAC-AGAATC 362
DB 277 NNTGGTCAGACCTTTCAAAAGATACATTTTGGTTATATATTTTTCACAAGTACAGGGAATC 336
QY 363 CTGTGGGAATATATGACATATTTAGAACTTCTGTAAGATGATGTTTCAATAAGAAA 422
DB 337 ATGTCATATTTTGGTGACATTAACATAGAAGTTCTGTAAGATGATGTTTCAATAAGAAA 396
QY 423 GTTATGAAAAAATACTAAGAGTCAAGATTTGACATCGTTTTTGCAGATGCTGTTTTTCCC 482
DB 397 TTTATGAAAAAAGTACAAAGATCAAGATTTGACGTCATTTTTGCAGATGCTATTTTTCCC 456
QY 483 TGTGTCAGCTGCTGGCTGCGCTACTTAACATACGTTTGTGTGTCAGCTCCGCTTACT 542
DB 457 TGTATGAGCTGCTGGCTGAGCTATTTAAACATACCTTTTGTGTACGCTCTCAGCTTCTCT 516
QY 543 CCTGCTACACAATTTGAAAGGCACAGTGGAGGACTGATTTTCCCTTCTTCTACATCCT 602
DB 517 CTTGCTACACTTTTGAAGAGATAGTGGAGATTTATTTCCCTTCTTCTTCTTCTTCTTCT 576
QY 603 ATTGTTATGTCAAAATTAAGTGATCAATGACTTTTTCATGGAGAGGTAATAATATGATC 662
DB 577 GTTGTATGTCAGAAATTAAGTGATCAATGACTTTTTCATGGAGAGGTAATAATATGATC 636
QY 663 TATGTCCTTTATTTGACTTTTGGTTCCAAATGTCGTGATATGAAGAGTGGGATCAGTTT 722
DB 637 TATGTCCTTTACTTTGACTTTTGGTTCCGAAATATTTTGACATGAAGAGTGGGATCAGTTT 696
QY 723 TACAGTGAAGTTTATGGAAGACCCACTTACCTTTTGTAGACAAATGGGAAGCTGCACATA 782
DB 697 TATAGTGAAGTTCTAGGAAGACCCACTACATATATCTGAGACAATGGGGAAGCTGCAGTA 756
QY 783 TGGCTTATGCGAAACTCTCGAGTTTTCAAATTTCTCTCATCCATTTTACCAAAAGTTTGTAT 842
DB 757 TGGCTTATGCGAACTCTCGAATTTTCAGTTTCCATATCCACTTTACCAAAATGTTGTAT 816
QY 843 TTTGTTGAGGATTCACATGGGAAACCTCGCAACCCCTACTAAGGAAATGGAGGAGTT 902
DB 817 TTTGTTGAGGACTCCACT-GCAAACTTCGCAAAACCCCTGCTAAGGAAATGGAAGACTT 875
QY 903 TGTACAGAGCTCTGGAGAAATGTTGTGGTGTCTCTCTGGGTCAGTGATAGTAA 962
DB 876 TGTACAGAGCTCTGGAGAAATGTTGTGGTGTCTCTCTGGGTCATTTGGTCACTGATAA 935
QY 963 CATGACAGCAAAAGGGCCAAATGTAATTGCAACAGCCCTTGCCAAAGATCCCAAAAAGGT 1022
DB 936 CATGACAGCAAAAGGGCCAAAGTAAATTGTCATCAGCCCTGCGCCAGATCCCAAAAAGGT 995
QY 1023 TCTGTGGAGATTTGATGGGAATAAACAGATGCTTGTAGTCTCAATCTCGGCTGTATAA 1082
DB 996 TCTGTGGAGATTTGATGGGAATAAACAGATGCTTGTAGTCTCAATCTCGGCTGTATAA 1055
QY 1083 GTGATATCCCGAGATGACCTTCTAGTGCATCCAAAACAGAGCTTTTATACTCATGG 1142
DB 1056 GTGATATCCCGAGAAATGACCTTCTAGTGCATCCAAAACAGAGCTTTTATACTCATGG 1115
QY 1143 TGGAGCCAAATGGCATCTATAGGCAATCTACCATGGGATCCCTATGTTGGGCATTTCCATT 1202
DB 1116 TGGAGCCAAATGGCATCTAGAGGCAATCTACATGGGATCCCTATGTTGGGATTTCCATT 1175
QY 1203 GTTTTGGGATCAACCTGTATAACATTTGCTTCAATGAAGCCCAAGGAGCAGCTGTAGATT 1262
DB 1176 GTTTTGGCAGTCAACCTGTATAACATTTGCTTCAATGAAGCCCAAGGAGCAGCTGTAGATT 1235
QY 1263 GGACTTCAACCAATGTCAGTACGAGCTGCTGAATGCTGAATGAGAGCAGTAATTAATGA 1322
DB 1236 GGACTTCAACCAATGTCAGTACGAGCTTCTGAAATGCTGAATGAGAGGTAATTAATGA 1295
QY 1323 TCCCTTATATAAGAGAAATATTAAGAAATTAATCAAGAAATTCAAATGATCAACCAAGTAA 1382
DB 1296 TCCCTTATATAAGAGAAATATTAAGAAATTAATCAAGAAATTCAAATGATCAACCAAGTAA 1355
QY 1383 GCCCCTGGATCGAGCAGTCTTCTGGATTGAATTTGTATGTCATGCCCAACAAAGGAGCCAAACA 1442
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DB 1356 GCCCTGGATCGAGCAGTCTTCTGGATTGAATTTGTATCGCCACAAGAGGACTAAACA 1415
QY 1443 CTTTCGAGTTTGCAGCCCATGACCTCAGCTGTTCCAGTACCACCTCTTTGGATGTGATTGG 1502
DB 1416 CTTTCGAGTTTGCAGCCCATGACCTCAGCTGTTCCAGTACCACCTCTTTGGATGTGATTGG 1475
QY 1503 GTTTCTGCTGCTGCTGCTGCGCAACTGTGATAATTTATCATCAAAAAGTTTCTGTTTGG 1562
DB 1476 GTTCTGCTGCTGCTGCTGCGCAACTGTGATAATTTATCGTCAAAAATGTTCTGTTTGG 1535
QY 1563 TTTCTGGAAGTTTCTAGAAAAAGGGAAGAGGAAAAAGAGATTAGTTATGCTCTGACATT 1622
DB 1536 TTTCTGGAAGTTTCTAGAAAAAGGGAAGAGGAAAAAGATAGTTAGTTATATCTGAGATT 1595
QY 1623 TGAAGCTGGAAGAACCATAGATAGGACAACTTCAGTTTATTTCCAGCAAGAAAGAAAGA 1682
DB 1596 TGAAGCTGGAAGAACCTGATAGTGAGACTACTTCAGTTTATTTCCAGCAAG-----AAAGA 1650
QY 1683 TTGTTATGCAAGATTTTCTTCTTCTGTCGAC 1713
DB 1651 TTGTGATGCAAGATTTTCTTCTTCTGAGAC 1681

RESULT 5
US-09-356-806-7
; Sequence 7, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; FILE OF INVENTION: 2B15 (UGT2B15) Genes
; FILE REFERENCE: SEQ-22PRV2
; CURRENT APPLICATION NUMBER: US/09/356.806
; CURRENT FILING DATE: 1999-07-20
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 2092
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (38)...(1621)
US-09-356-806-7

Query Match 79.1%; Score 1354.2; DB 4; Length 2092;
Best Local Similarity 88.8%; Pred. No. 0;
Matches 152; Conservative 0; Mismatches 183; Indels 8; Gaps 5;

QY 1 ATCGCATTTGCACCAGGATGATCTGAAATGGACTTCAGTTTCTCTGCTGTATACATCTCCA 60
DB 22 ATTGCATTGTCATCAGGATGCTATGAAATGGAATTCAGCTCTTCTGCTGTATACAGCT-GA 80
QY 61 GTTGTACTTTAGCTCTGGGAGTTTGGAAAAGTGTGTTGGCCGCGAGAAATACAGCC 120
DB 81 GCTGTTACTTTAGCTCTGGGAGTTTGGAAAAGTGTGTTGGCCGCGAGAAATTCAGCC 140
QY 121 ATTGGATGAATATGAAGCAATCTCTGAAAGAGCTTGTTCAGAGAGGTCATGAGGTGACTG 180
DB 141 ACTGGATGAATATGAAGCAANTCTGGATGAACCTTGTCCAGAGAGGTCATGAGGTGACTG 200
QY 181 TACTGGCATCTTCAGCTTCCATTCTTTTGTATCCCAATGATGATCCACTCTTAAATTTG 240
DB 201 TATTGGCATCTTCAGCTTCCATTCTTTTCGATCCCAACAGCCCATCTACTCTTAAATTTG 260
QY 241 AAGTTTATCTCATCTTTTAACTAAATCTGAAATTTGAGAAATATCATCATGCAACAGGTTA 300
DB 261 AAGTTTATCTCATCTTTTAACTAAATCTGAAATTTGAGGATATTTATCAAGCAGCTGGTTA 320
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Qy	301	AGAGATGTCAGACATTCGAAAAAGATAGCTTTTGGTTATATTTTTCACAAGAACCAAGAAA	360
Db	321	AGAGATGGCGCAACCTTCCAAAAGACAAITTTTGGTCATATTTTTCACAAGTACAAGAAA	380
Qy	361	TCCTGTGGGAATTATGACATATTTAGAACTTCTGTAAAGATGTAGTTTCAAAATAGA	420
Db	381	TCATGTGCACATTATAGACATCTTAGAAAGTCTGTAGAGATATAGTTTCAAAATAGA	440
Qy	421	AAGTTATGAAAAAACAACAAGAGTCAAGATTTGACATCGTTTTTTCAGAGTCGTGTTTTTC	480
Db	441	AACTTATGAAGAAAACAACAAGAGTCAAGATTTGATGTGTGTTCTTTCAGATCGTGTGTTCC	500
Qy	481	CCTGTGGTGAAGTCGTGGCTGGCTACTTAAACATACGGTTTTGTGTACAGTCTCGCGTTTA	540
Db	501	CCTTTGGTGAAGTCGTGGCGAGTTACTTAAAAATACCCTTTGTCTACAGACCTCGCGTCTCT	560
Qy	541	CTCCTGGCTACACAATTGAAAAGGCACAGTGGAGGACTGATTTTCCCTCTTCTTACATAC	600
Db	561	CTCCTGGCTACGCAATTGAAAAGCATAGTGGAGGACTCTGTTTCCCTCTTCTTATGTGC	620
Qy	601	CTATTGTTATGTCAAAATTAAGTGTGATCAAAATGACTTTCATGGAGAGGGTAAAAAATATGA	660
Db	621	CTGTTGTTATGTCAGAACATAAGTGACCAAAATGACTTTTCATGAGAGAGGGTAAAAAATATGA	680
Qy	661	TCTATGTGCTTTATTTTTCACCTTTTGGTTCCAAATGTCGTGATATGNAAGAGTGGGATCAGT	720
Db	681	TCTATGTGCTTTATTTTGAATTTTGGTTCCAAATATTTTGAATGAAGAAGTGGGATCAGT	740
Qy	721	TTTACAGTGAAGTTTATAGAAAGACCACTACCTTATTTGACACAATGGAAAAGCTGACA	780
Db	741	TCTACAGTGAAGTTCTAGGAAGACCCACTACGTTTATCTGAGACAATGGCAAAAGCTGACA	800
Qy	781	TATGGCTTATGCGAAACTCTCTGGAGTTTTTCAATTTCTCTCATCCATCTTTACCAAAAGTTG	840
Db	801	TATGGCTTATTTGAAACTACTCTGGGATTTTCAATTTTCTCTCACCCACTCTTTACCAAAATGTTG	860
Qy	841	ATTTTGTGGAGGATTCACACTGGCAAACTGCCAAACCCCTACCTTAGGAAATCGAGGAG	900
Db	861	AGTTTGTGGAGGACTCCACT-GCAAACTGCCAAACCCCTACCGAAGGAAATGGAAGAG	919
Qy	901	TTTGTACAGAGCTCTCGAGAAAAATGGTGTGTGGTGTGTTTTCTCTGGGGTCAAGTATAAGT	960
Db	920	TTTGTCCAGAGCTCTCGAGAAAAATGGTGTGTGTGGTGTGTTTTCTCTCTGGGGTCAAGTGTGCT	979
Qy	961	AACATGACAGCAGAAAGGGCCAAATGTAAATGCCAACAGCCCTTGCCAAAGATCCCAAAAG	1020
Db	980	AACAATGACAGAAAGGGCCAAATGTAAATGCCATCAGCCCTTGCCAAAGATCCCAAAAG	1039
Qy	1021	GTTCTGTGGAGATTTGATGGGAAATAAACCCAGATGCCCTTAGTGCTCAATACTCGGCTGTAT	1080
Db	1040	GTTCTGTGGAGATTTGATGGGAAATAAACCCAGATCTTTAGAGCTCAATACTCGGCTGTAT	1099
Qy	1081	AAGTGGATACCCAGAAATGACCTTCTTAGGTCAATCCAAAAACCCAGAGCTTTTATAACTCAT	1140
Db	1100	AAGTGGATACCCAGAAATGACCTTCTTAGGTCAATCCAAAAACCCAGAGCTTTTATAACTCAT	1159
Qy	1141	GGTGGAGCCATGCGATCTATAGGCAATCTTACCATGGATCCCTATGTGGGGCATTTCCA	1200
Db	1160	GGTGGAGCCATGCGATCTATAGGCAATCTTACCATGGAAATCCCTATGTGGGGCGTTCCA	1219
Qy	1201	TTGTTTTGGGATCAACTGTGATAATGTGCTCAATGAAGGCCAAGGAGCAGCTGTTTAGA	1260
Db	1220	TTGTTTGGAGATCAACTGTGATAATGTGCTCAATGAAGGCCAAGGAGCAGCTGTTTAGT	1279
Qy	1261	TTGACCTTCAACAATGTGAGTACAGACCTGCTGTAATGCATCTGAAGACAGATTAATTAAT	1320
Db	1280	TTGACCTTCAACAATGTGAGTACAGACCTTCAATGAAGGCCAAGGAGCAGATTAATTAAT	1339
Qy	1321	GATCCTTTATATAAGAGAAATATTTATGAAATTTCAAGAAATTCACAAATGATCAACAGTA	1380
Db	1340	GATCCTTTATATAAGAGAAATGCTATGAAATTTATCAAGAAATTCATGATCAACAGTGT	1399

Qy	1381	AAGCCCTTGGATCGAGCAGTCTTCTTGGAGTGAATTTGTATGCCCCCAAAAGGAGGCCAAA	1440
Db	1400	AAGCCCTTGAAGAGCAGTCTTCTTGGATTGAATTTGTATGCGCCATAAAGGAGGCCAAG	1459
Qy	1441	CACCTTTCGAGTTGCGAGCCCATGACCTCACTACCTGGTTCAGTACCACTCTTTGGATCTGATT	1500
Db	1460	CACCTTTCGGGTTGAGCCACGACCTCACTACCTGGTTCAGTACCACTCTTTGGATCTGACT	1519
Qy	1501	GGGTTTCTGCTGGCCCTGTGTGGCAACTCTGATATTTATCATCACAAAGTTTGTCTGTGT	1560
Db	1520	GGGTTCTGCTGGCCCTGTGTGGCAACTCTGATATTTATCATCATCACAAA--ATGTCTGT	1576
Qy	1561	TGTTTCTGGAAGTTTGTCTAGAAAAGGGAAGGAAAGAGATAGTATGTCTGACA	1620
Db	1577	TGTGTCTGGAAGTTTGTGTAGAACAGGAAAGGGAAGAGATTAATTAAGTCTGAGG	1636
Qy	1621	TTTGAAGCTGGAACACCATAGATAGACAACTTCAGTTTATTCACGCAAGAAAGAAA	1680
Db	1637	CTGGAAGCTGGGAACCCAAATAAT-GAATCTCTTAGTTATTATCAACAAGAA--GAGC	1693
Qy	1681	GATTGTTATGCAAGATTTCTTTCTTCTCTGTGAC	1713
Db	1694	TTGTGATACAGAGATTCCTTCTTCTGTGAC	1726
RESULT 7			
US-09-949-016-3181			
; Sequence 3181, Application US/09949016			
; Patent No. 6812339			
; GENERAL INFORMATION:			
; APPLICANT: VENTER, J. Craig et al.			
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED			
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF			
; FILE REFERENCE: CL001307			
; CURRENT APPLICATION NUMBER: US/09/949,016			
; CURRENT FILING DATE: 2000-04-14			
; PRIOR APPLICATION NUMBER: 60/241,755			
; PRIOR FILING DATE: 2000-10-20			
; PRIOR APPLICATION NUMBER: 60/237,768			
; PRIOR FILING DATE: 2000-10-03			
; PRIOR APPLICATION NUMBER: 60/231,498			
; PRIOR FILING DATE: 2000-09-08			
; NUMBER OF SEQ ID NOS: 207012			
; SOFTWARE: FASTSEQ for Windows Version 4.0			
; SEQ ID NO 3181			
; LENGTH: 2092			
; TYPE: DNA			
; ORGANISM: Human			
US-09-949-016-3181			
Query Match 78.8%; Score 1349.4; DB 4; Length 2092;			
Best Local Similarity 88.7%; Pred. No. 0;			
Matches 1519; Conservative 0; Mismatches 186; Indels 8; Gaps 5;			
Qy	1	ATCGATTGCAACGAGTACTTGAATGGAATTCAGTTCTTCTGCTGATACATCTCCA	60
Db	22	ATTGCAATTCATCAGGATGCTATGAAATGGAATTCAGTTCTTCTGCTGATACAGCT-GA	80
Qy	61	GTGTTTACTTTAGCTCTGGGAGTTGTGGAAAAGTGTGGTGTGGGCCCGCAGAAACAGCC	120
Db	81	GTGTTTACTTTAGCTCTGGGAGTTGTGGAAAAGTGTGGTGTGGGCCCGCAGAAATTCAGCC	140
Qy	121	ATTGGAATATCAAGACAATCTGAAAGAGCTTGTTCAGAGAGGTCATCAGGTTGACTG	180
Db	141	ACTGGATGAATATAAGACAATCTCGATGAATTCGTCAGAGAGGTCATCAGGTTGACTG	200
Qy	181	TACTGGCATCTTCAGCTTCCATCTTTTTTGTATCCCAATGATGATCCACTCTTAAATTTG	240
Db	201	TATTGGCATCTTCAGCTTCCATCTTTTTTGTATCCCAAGAGGTCATCAGGTTGACTG	260
Qy	241	AAGTTTATCTACATCTTTAACTAAAATGAAATTTGAGAAATATCATCATGCAACAGGTTA	300
Db	261	AAGTTTATCTGTATCTTTAACTAAAATGAAATTTGAGAAATTTATCAAGCAGCTGGTTA	320

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QY 301 AGAGATGCTCAGACATTGCGAAGAGATAGCTTTTGGTTATATTTTCAAGAAACAGAAA 360
Db 321 AGAGATGGCGAGAACTTCCAAAGACACATTTTGGTCATATTTTCACAAGTACAAGAAA 380
QY 361 TCCTGTGGGAATTTATATGACATATTTAGAAACTTCTGTAAAGATGTAGCTTTCAATAAGA 420
Db 381 TCATGTGACATTTAATGACATCTTAGAAGTCTGTAAAGATATAGTTTCAATAAGA 440
QY 421 AAGTTATGAAAAAATACTAAGAGTCAAGATTGACATCGTTTGTGACAGATGCTGTTTTTC 480
Db 441 AACTTATGAAGAAAACTACAGGAGTCAAGATTGATGTTGTTCTTGACAGATGCTGTTTTTC 500
QY 481 CCTGTGGTGTGCTGCTGCTGGCTACTTCAATACATAGGTTTGTGTACAGTCTCCGCTTAA 540
Db 501 CTTTGGTGTGCTGCTGCGGAGTTACTTAAATAACCCCTTGTCTACAGCCTCCGCTTCT 560
QY 541 CTCCTGGCTACAAATTCGAAGGCACAGTGGAGGACTGATTTCCCTCCTTCTCTACATAC 600
Db 561 CTCCTGGCTACGCAATTCGAAGGCATAGTGGAGGACTTCTGTTCCCTCCTTCTCTATGTGC 620
QY 601 CTATTGTTATGTCAAAATTAAGTGTATCAAAATGACTTTCATGGAGAGGTTAAAAATATGA 660
Db 621 CTGTTGTTATGTCAAACTAAGTGTACCAATGACTTTTCATAGAGAGGTTAAAAATATGA 680
QY 661 TCTATGCTCTTATTTTGAAGTCTTGGTTCCAAATGCTGTGATATGAAGTGGATCAGT 720
Db 681 TCTATGCTCTTATTTTGAATTTGGTTTCCAAATATTTGACATGAAGTGGATCAGT 740
QY 721 TTTACAGTGAAGTTTATAGAGACCCACTACCTTATTTGAGACAAATGGAAAAGCTGACA 780
Db 741 TCTACAGTGAAGTTTATAGAGACCCACTACGTTATCTGAGACAAATGGAAAAGCTGACA 800
QY 781 TATGCTTATGCGAAACTCTGGAGTTTCAATTTCTCATCTTCAATTTTCAAAACGTTG 840
Db 801 TATGCTTATTCGAAACTACTGGGATTTTCAATTTCTTCACTTCAAAATGTTG 860
QY 841 ATTTTGTGGAGGATTCACCTGGGAACTGCGCAACCTGCAACCCCTACCTAAGAAATGGAGAG 900
Db 861 AGTTGTTGGAGGATTCACCT-GCAAACTTCCCAACCCCTACCGAAGAAATGGAAGAG 919
QY 901 TTTGTACAGAGCTCTGGAGAAAATGGTGTGTGGTGTGTTTCTCTGGGGTCAAGTATAGT 960
Db 920 TTTGTCCAGAGCTCTGGAGAAAATGGTGTGTGGTGTGTTTCTCTGGGGTCAAGTATAGT 979
QY 961 AACATGACAGAGAAAAGGGCCAAATGTAATTGCAACAGCCCTTGGCAAGATCCCAAAAAG 1020
Db 980 AACATGACAGAGAAAAGGGCCAAATGTAATTGCAACAGCCCTTGGCAAGATCCCAAAAAG 1039
QY 1021 GTTCTGTGGAGATTTGATGGGAATAAACCAAGATGCTTAGTCTCAATACTCGGCTGTAT 1080
Db 1040 GTTCTGTGGAGATTTGATGGGAATAAACCAAGATCTTTAGGACTCAATACTCGGCTGTAT 1099
QY 1081 AAGTGGATACCCAGAAATGACCTCTAGGTATCCAAATAACCAAGAGCTTTTATTAATCAT 1140
Db 1100 AAGTGGATACCCAGAAATGATCTTCTGGTACCCCAAAAACAGAGCTTTTATTAATCAT 1159
QY 1141 GGTGGAGCCAAATGGCATCTATGAGGCAATCTACCATGGGATCCCTTATGGTGGGCAATCCA 1200
Db 1160 GGTGGAGCCAAATGGCATCTATGAGGCAATCTACCATGGGATCCCTTATGGTGGGCGTTCCA 1219
QY 1201 TTGTTTGGGATCAACCTGATTAACATTTGCTACATGAAGGCCAAGGGAGAGCTGTTAGA 1260
Db 1220 TTGTTTGGGATCAACCTGATTAACATTTGCTACATGAAGGCCAAGGGAGAGCTGTTAGT 1279
QY 1261 TTGGAATTTCAACAAATGTCGAGTACAGACCTGCTGGAATGCACTGAAGACAGTAAATTAAT 1320
Db 1280 TTGGAATTTCAACAAATGTCGAGTACAGACCTGCTGGAATGCACTGAAGACAGTAAATTAAT 1339
QY 1321 GATCCTTTATATAAAGAGAAATTAATGAAATTAACAAGAAATTCACATGATCAACACAGTA 1380
Db 1340 GATCCTTTATATAAAGAGAAATGCTATGAAATTAACAAGAAATTCACATGATCAACACAGTA 1399
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QY 1381 AAGCCCTCGATCGAGCAGTCTTCTGGATTGAATTTCTCATGCCCCACAAAGGAGCCAAA 1440
Db 1400 AAGCCCTTGAAGAGCAGTCTTCTGGATTGAATTTCTCATGCCCCATAAAGGAGCCAAAG 1459
QY 1441 CACCTTCGAGTTGAGGCCCATGACCTCACCTGGTTCAGGATACCACTCTTTTGGATGTGATT 1500
Db 1460 CACCTTCGGGTGAGGCCCCAGACCTCACCTGGTTCAGGATACCACTCTTTGATGTGACT 1519
QY 1501 GGGTTTCTGCTGGCCTGTGTGGCAACTGTGTATATTTATCATCAAAAGTTTGTCTGTTT 1560
Db 1520 GGGTTTCTGCTGGCCTGTGTGGCAACTGTGTATATTTATCATCAAAA---ATGCTCTGTTT 1576
QY 1561 TGTTTCTGGAAGTTTGTAGAAAGGGAAGGAAGGAAAAGAGATTAGTTATGTCTGACA 1620
Db 1577 TGTCTCTGGAAGTTTGTAGAAAGGGAAGGAAAAGAGATTAAATACGCTCTGAGG 1636
QY 1621 TTTGAAGCTGGAACACAGATAGATAGCAAACTTTCAGTTTATTTCCAGCAAGAAAGAAA 1680
Db 1637 CTGGAAGCTGGAAACCCAAATTAAT-GAATCTCTTTAGTTTATTTACAAAGAA--GACG 1693
QY 1681 GATTGTTATGCAAGATTCTTTCTTCTCTGTGAC 1713
Db 1694 TTGTGATACAAGAGATTCTTCTTCTTGTGAC 1726

RESULT 8
US-09-949-016-1128
; Sequence 1128, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1128
; LENGTH: 2093
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-1128

Query Match 78.4%; Score 1343; DB 4; Length 2093;
Best Local Similarity 88.4%; Pred. No. 0;
Matches 1515; Conservative 0; Mismatches 190; Indels 8; Gaps 5;

QY 1 ATGCGATTGACACAGGATGACTCTGAAATGAGCTTTCAGTTCTTCTGCTGATACATCTCCA 60
Db 22 ATTGCAATGTCATCAGGATGCTATGAAATGAGCTTTCAGTTCTTCTGCTGATACAGCT-GA 80
QY 61 GTTGTTACTTTAGCTCTGGGAGTTGTGGAAGAGTCTGTGGCGCCGCAAGATACAGCC 120
Db 81 GCTGTACTTTAGCTCTGGGAGTTGTGGAAGAGTCTGTGGTGTGCCCCACAGAAATTCAGCC 140
QY 121 ATTGGATGAATATGAAGACAAATCTCTGAAAGAGCTTGTTCAGAGAGGTCATGAGTGACTG 180
Db 141 ACTGGATGAATATAAAGACAAATCTCTGATGAAATGTTGTCAGAGAGGTCATGAGTGACTG 200
QY 181 TACTGGCATCTTCAGCTTCCATTTCTTTTGTATCCCAATGATGCACTCCTTAAATTTG 240
Db 201 TATTGGCATCTTCAGCTTCCATTTCTTTTGTATCCCAACAGCCCACTACTCTTAAATTTG 260
QY 241 AAGTTTATCTTACATCTTTAACTAAAACTGAAATTTGAGAATATCATCATGCAACAGGTTA 300
Db 261 AAGTTTATCTTATCTTTAACTAAAACTGAGTTTGGAGATATTTATCAAGCAGCTGGTTA 320
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QY 241 AAGTTTATCCTACATCTTTAACTAAACCTGAATTTGAGAATATCATCATGCAACAGGTTA 300
Db 275 AAGTTTATCCTACATCTTTAACTAAACCTGAATTTGAGAATATCATCATGCAACAGGTTA 334
QY 301 AGAGATGGTGCAGA---CATTCGAAAGATAGCTTTTGGTGTATATATTTTTCACAAAGAACAG 357
Db 335 ATAGATGCACATATAGTATTTCAAAAATACATTTTGGTGCATATTTTTCACACATCACAG 394
QY 358 AAATCCTGTGGGAATATATGACATATTTAGAACTTCGTAAAGATGTAGTTTCAAAATA 417
Db 395 AATTGTGTGGGAATATTTCTGACTATAATAAAGCTCTGTGAAGATGCAGTTTGAACA 454
QY 418 AGAAAGTTATGAABAAAATCAAGAGTCAAGATTTGACATCGTTTTCGACAGTCTGTTT 477
Db 455 AGAAACTTATGAGAAAATCTCAAGAGTCAAAAATTTGATGTCCTCTGCGACATGCCGTTA 514
QY 478 TTCCCTGTGGTGCAGTCTGCGCTGCGCTACTTAAACATACGGTTTGTGACAGTCTCCGCT 537
Db 515 ATCCCTGTGGTGCAGTCTGCGCTGAACTACTTAAACATACCCCTTCTGTACAGTCTCCGCT 574
QY 538 TTAATCCTGGCTACAAATTTGAAGGCAACAGTGGAGGACGTATTTTCCCTCCTTCCATCA 597
Db 575 TCTCTGTGGCTACACAGTGTGAGAAATGTGGAGGATTTCTGTTCCTCTCTTCCCTATG 634
QY 598 TACCTATTGTATGTCNAAAATTAAGTGATCAATGACTTTTATGAGAGGCTTAAANAATA 657
Db 635 TACCTGTGTATGTCAGAAATTAAGTGATCAATGATTTTTCATGGAGAGGATAAANAATA 694
QY 658 TGATCTATGTCTTTATTTGACTTTTGGTTCCTAAATGTCTGATATGAAGAGTGGGATC 717
Db 695 TGATATATGCTTTATTTGACTTTTGGTTCCTAAATGTCTGATATGAAGAGTGGGACC 754
QY 718 AGTTTTCAGTGAAGTTTGAAGAGCCCACTACCTTATTTGAGACAAATGGGAAAAGCTG 777
Db 755 AGTTTTCAGTGAAGTTTGAAGAGCCCACTACATATTTGAGACAAATGGGAAAAGCTG 814
QY 778 ACATATGCTTATGCGAACTCTGGAGTTTCAATTTCTCATCTCCATCTTACCAACG 837
Db 815 AAATGTGCTCATTCGAACTTATGGGATTTTGAATTTCTCGGCCATTTCTTACCAATG 874
QY 838 TTGATTTTGTGGAGGATTCACACTGGCAAACTCGCAAAACCCCTACCTTAAAGAAATGAG 897
Db 875 TTGATTTTGTGGAGGACTTCACT-GTAAACAGCCAAACCCCTTGGCTTAAAGAAATGGA 933
QY 898 GAGTTTGTACAGAGCTCTGAGAAATGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 957
Db 934 GAGTTTGTACAGAGCTCTGAGAAATGGTATTTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 993
QY 958 AGTAACATGACAGCAAGAGGCGCAATGTAATTCGCAACAGCCCTTGGCAAGATCCCAAA 1017
Db 994 AGTAACATGTCAGAAAGAAAGTGCACCAATGATTTGATCAGCCCTTGGCCAGATCCCAAA 1053
QY 1018 AAGGTTCTGTGGAGATTTGATGGGAATAAACACAGATGCTTTAGGTCTCAATACTCGGCTG 1077
Db 1054 AAGGTTCTATGAGATTTGATGGGCAAGAGCCCAATATCTTAGGTTCCATACTCGACTG 1113
QY 1078 TATAAGTGGATACCCAGAAATGACTTCTAGTGCATCCAAAAACAGAGCTTTTATTAAT 1137
Db 1114 TATAAGTGGTATACCCAGAAATGACTTCTTGTGCATCCCAAAACCAAAAGCTTTTATTAAT 1173
QY 1138 CATGTTGGAGCCCAATGGCATCTATGAGGCAATCTTACCATGGATCCCTTATGTTGGCAAT 1197
Db 1174 CATGTTGGAAACAATGGCATCTATGAGGCAATCTTACCATGGATCCCTTATGTTGGCAAT 1233
QY 1198 CCAATGTTTGGGATCAACCTGATAACATTTGCTACATGAAGGCGCAAGGAGAGCAGCTGT 1257
Db 1234 CCAATGTTTGGGATCAACATGATAACATTTGCTACATGAAGCCCAAGGAGAGCAGCTGT 1293
QY 1258 AGATTGGACTTCAACACAATGTGGAGTACAGACCTGCTGGAATGCACTGAAAGACAGTAAT 1317
Db 1294 AGTTGGGACATCAGGACCATGTCAAGTAGAGATTTGCTCAATGCAATTTGAAGTTTATCC 1353
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QY 1318 AATGATCCTTTATATAAGAGAAATATTTATGAATTTATCAAGAAATTCACACATGATCAACCA 1377
Db 1354 AATGACCTTATCTATAAGAGAAATATCATGAATTTATCAAGAAATTCATCATGATCAACCG 1413
QY 1378 GTAAAGCCCTTGGATCGAGCAGCTCTTCTGGATTGAAATTTGTTCATGCCCCCAAAAAGGAGCC 1437
Db 1414 GTGAAGCCCTTGGATCGAGCAGCTCTTCTGGATTGAGTTTGTTCATGCGCCATAAAGGAGCC 1473
QY 1438 AAAACACCTTGCAGTTGCAGGCCATGACCTCACCTGGTTCAGTACCACCTCTTTGGATGTG 1497
Db 1474 AAGCACCTTCCGGTTCGAGGCCCAACACCTCACCTGGATCCAGTACCACCTCTTTGGATGTG 1533
QY 1498 ATTGGGTTTCTGCTGGCCTGTGTGCAACTGTGTATTTATCATCAAAAAGTTTGTCTG 1557
Db 1534 ATAGCATTTCTGCTGGCCTGCGTGGCAACTATGATATTTATGATCAGAAAATGTTGCCCTG 1593
QY 1558 TTTTGTCTTCTGGAAGTTTGTGTAGAAAAGGGAAGGGAAGGAAAGAGATTAGTTATGTCTG 1617
Db 1594 TTTTGTCTTCTGGAAGTTTGTGTAGAAAAGGGAAGGGAAGGAAAGAGATTAGTTATCA 1653
QY 1618 ACATTTGAAGCTGAAAACACAGATAGATAGAGCAACTTTCAGTTTATTCAGCAAGAAAGA 1677
Db 1654 AAGCCTGGAAG-TGGAATGACCAAAAGATGGGACTCTCTCC--TTTATTCAGCATGGAGG- 1709
QY 1678 AAAGATTGTTATGCAAGATTTCTTTCTTCTCTGTGAC 1713
Db 1710 ---GTTTAAATGAGGATTTCTTTTCTCTGTGAC 1742
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RESULT 10

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US-09-356-806-112
; Sequence 112, Application US/09356806
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; FILE OF INVENTION: 2B15 (UGT2B15) Genes
; CURRENT APPLICATION NUMBER: US/09/356,806
; CURRENT FILING DATE: 1999-07-20
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 112
; LENGTH: 1976
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (11)...(1598)
US-09-356-806-112
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Query Match 69.4%; Score 1188.8; DB 4; Length 1976;

Best Local Similarity 83.1%; Pred. No. 0;

Matches 1417; Conservative 0; Mismatches 277; Indels 12; Gaps 5;

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QY 11 ACCAGGATGACTCTGAAATGGACTTCAGTTCTTCTGCTGATACATCTCCAGTTGTTACTT 70
Db 5 ACCAGGATGCTCTGAAATGGACGTCACTTCTGCTGATACAGCT-CAGTTGTTACTT 63
QY 71 TAGCTCTGGAGTTGTGAAAAGTGTGTTGTGGGCGCAGAAATACAGCCATTCGATGAA 130
Db 64 TAGCTCTGGAAGCTGTGAAAAGGTGTGTTGTGGGCGCAGAAATACAGCCATTCGATGAA 123
QY 131 TATCAACACAACTCTGAAAGGCTTGTTCAGAGAGGTCATCAGGTGACTGTACTGGCATC 190
Db 124 TATGAAGACAACTCTGAAAGGCTTGTTCAGAGAGGTCATCAGGTGACTGTGTTGACATC 183
QY 191 TTCACTCTCAATCTTTTTCATCCCAATGATGCAATCCACTCTTAAATTTGAAGTTTATCC 250
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Db	184	TTGGCTCTCTACTCTTGTCAATGCGAGTAATCATCTGCTATTAATAATTAGAAGTTTATCC	243
Qy	251	TACATCTTTTAACTAAATGAAATTTGAGAATATCATCATGCAACAGGTTAAGAGATGG--	308
Db	244	TACATCTTTTAACTAAATGAAATTTGAGAATTTCTCTCTGAAATTTCTGATAGATGGAT	303
Qy	309	-TCAGACATTCGAAGAATAGCTTTTGGTTATATTTTTCACAGAACAAGAAATCCCTGTG	367
Db	304	ATATGGTGTTCAAAAATACATTTTGGTCTATATTTTTCACAAATTTACAAATTTGTGTG	363
Qy	368	GGAATATATGACATATTTAGAACTTCTGTAAAGATGATGTTTCAATATAGAAAGTTAT	427
Db	364	GGAATATATGACATACAGTACAGCTCTGTAAAGATGATGTTTCAATATAGAAATTTAT	423
Qy	428	GAAGAACTACAGAGTCAAGATTTGACATCGTTTTTTCAGATGCTGTTTTTCCCTGTGG	487
Db	424	GATGAACCTACAGAGTCAAGATTTGATGTCATCTGCGAGATGCCCTTAATCCCTGTGG	483
Qy	488	TGAGTGTGGTGGCTACTTAAACATACAGGTTTGTGTACAGTCTCGCTTTATCTCTGG	547
Db	484	TCAGCTACTGGCTGAACATATTTAAACATACACCTTTCTGTACAGTCTTCGATTTCTCTGTGG	543
Qy	548	CTACACATTCGAAGGACAGTGGAGGACTGATTTTCCCTCTCTCTACATACCTATGT	607
Db	544	CTACACATTTGAGAAGATGTTGGAGGATTTCTGTTCCTCTCTCTATGTACCTGTGT	603
Qy	608	TATGTCAAAATTAAGTGTCAAACTGCTTTCATGAGAGGTTAAATAATATGATCTATGT	667
Db	604	TATGTCAAAATTAAGTGTCAAACTGCTTTCATGAGAGGTTAAATAATATGATCTATGT	663
Qy	668	GCTTATTTTGAATTTGGTTTCCAAATGCTGTATATGAAGAAGTGGGATCATGTTTTACAG	727
Db	664	GCTTATTTTGAATTTGGTTTCCAAATGCTGTATATGAAGAAGTGGGATCATGTTTTACAG	723
Qy	728	TGAATTTTGAAGACCACTACTTATTTGAGACATGGAAGCTGATATGGCT	787
Db	724	TGAATTTTGAAGACCACTACTTATTTGAGACATGGAAGCTGATATGGCT	783
Qy	788	TATGGAACCTCTGGAGTTTCAATTTCTCATCTTCTTACCAACGTTGATTTGT	847
Db	784	CATTGCAACCTATTGGGATTTGAAATTTCTCTCGCCATTTACCAATGTTGATTTGT	843
Qy	848	TGGAGGATTCACCTGGCAAACTGCAAAACCCCTACTTAAAGAAATGAGGAGTTGTAC	907
Db	844	TGGAGGATTCACCT-GTAAACAGCAAAACCCCTGCTTAAAGAAATGAGGAGTTGTAC	902
Qy	908	AGAGCTCTGGAGAAAATGGTGTGTGGTGTCTCTGGGTGAGTATAGTAAACATGA	967
Db	903	AGAGCTCTGGAGAAAATGGTGTGTGGTGTCTCTGGGTGAGTATAGTAAACATGT	962
Qy	968	CAGCAGAAAGGCGCAATGTAATTCGAACAGCCCTTGCACAGATCCCAAGGTTCTGT	1027
Db	963	CAGCAGAAAGGCGCAATGTAATTCGAACAGCCCTTGCACAGATCCCAAGGTTCTAT	1022
Qy	1028	GGAGATTTGATGGGAATTAACAGATGCTTTAGGTCTCAATCTACCTCGGCTGTATAGTGA	1087
Db	1023	GGAGATTTGATGGGAATTAACAGATGCTTTAGGTCTCAATCTACCTCGGCTGTATAGTGA	1082
Qy	1088	TACCCAGAAATGACCTTCTAGTCTATCCAAAACAGAGCTTTTATTAATCATGTTGAG	1147
Db	1083	TACCCAGAAATGACCTTCTAGTCTATCCAAAACAGAGCTTTTATTAATCATGTTGAG	1142
Qy	1148	CCAATGGCACTATGAGGCAATCTACATGGATCCCTATGTTGGGATTCATTTGTTT	1207
Db	1143	CCAATGGCACTATGAGGCAATCTACATGGATCCCTATGTTGGGATTCATTTGTTT	1202
Qy	1208	GGGATCAACCTGATTAACATTTGCTCAATGAAGGCGCAAGGAGGAGCTGTTAGATTTGACT	1267
Db	1203	GGGATCAACCTGATTAACATTTGCTCAATGAAGGCGCAAGGAGGAGCTGTTAGTGGACA	1262
Qy	1268	TCAACAAATGTGGATGACAGCTTGTGAATGCACTGCAAGACAGATTAATTAATGATCTT	1327
Db	1263	TCAAGCAATGTCAAGTATAGATTTGCTCAATGCAATGCAATGCAATTAATGACCCCTG	1322

Query Match 65.98; Score 1128.8; DB 3; Length 1413;
Best Local Similarity 85.44; Pred. No. 0;
Matches 1393; Conservative 0; Mismatches 12; Indels 227; Gaps 3;

Qy	1	ATCGCATTCACACAGGATGACTCTGAATGGAGTTTCAGTTCTCTCTGTGATACATCTCCA	60
Db	7	ATCACATTCACACAGGATGACTCTGAATGGAGTTTCAGTTCTCTCTGTGATACATCT-CA	65
Qy	61	GTGTGTTACTTTAGCTCTGGAGTTGTGAAAGTGTGTTGGTGGGCGCAGAAATACAGCC	120
Db	66	GTGTGTTACTTTAGCTCTGGAGTTGTGAAAGTGTGTTGGTGGGCGCAGAAATACAGCC	125
Qy	121	ATTGGATGATATGAAGCAATCTGAAAGCTGTTTTCAGAGAGGTCATGAGGTGACTG	180
Db	126	ATTGGATGATATGAAGCAATCTGAAAGCTGTTTTCAGAGAGGTCATGAGGTGACTG	185
Qy	181	TACTGGCATCTCAGCTTCCATCTTTTGTGATCCCAATGATGATCCACTCTTAAATTTG	240
Db	186	TACTGGCATCTCAGCTTCCATCTTTTGTGATCCCAATGATGATCCACTCTTAAATTTG	245
Qy	241	AAGTTTATCTCTACATCTTTTAACTAAATCTGAATTTGAGAATATCATATGCAACAGGTTA	300

RESULT 11
US-09-813-918-1
; Sequence 1, Application US/09813918
; Patent No. 6383789
; GENERAL INFORMATION:
; APPLICANT: WEBSTER, Marion et al.
; TITLE OF INVENTION: ISOLATED HUMAN DRUG-METABOLIZING
; TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN
; TITLE OF INVENTION: DRUG-METABOLIZING PROTEINS,
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL001175
; CURRENT APPLICATION NUMBER: US/09/813,918
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1413
; TYPE: DNA
; ORGANISM: Human
US-09-813-918-1

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Db 246 AAGTTTATCTACATCTTTAACTAAAACTGAATTTGAGAAATATCATCATGCAACAGGTTA 305
Qy 301 AGAGATGTGACAGACATTCGAAAGAGTAGCTTTTGGTTATATATTTTCAAGAAACAAGAAA 360
Db 306 AGAGATGTGACAGACATTCGAAAGAGTAGCTTTTGGTTATATATTTTCAAGAAACAAGAAA 365
Qy 361 TCCTGTGGGAATTTATATGACATATTTAGAAACTTCTGTAAGAGTGTAGTTTCAATAGA 420
Db 366 TCCTGTGGGAATTTATGACATATTTAGAAACTTCTGTAAGAGTGTAGTTTCAATAGA 425
Qy 421 AAGTTATGAAAAAACAACAGAGTCAAGATTTGACATCGTTTTTGGCAGATGCTGTTTTTC 480
Db 426 AAGTTATGAAAAAACAACAGAGTAAAGATTTGACATCGTTTTTGGCAGATGCTGTTTTTC 485
Qy 481 CCTGTGTGAGTGTGCTGCTGGCTACTTAACATACATACAGGTTTTGTGTACAGTCTCGCTTTA 540
Db 486 CCTGTGTGAGTGTGCTGCTGGCTACTTAACATAC----- 521
Qy 541 CTCCTGGCTACACAATTTGAAGGCACAGTGGAGGACTGATTTTCCCTCCTTCCATACATAC 600
Db 522 ----- 521
Qy 601 CTAATGTTATGTCAAAAATTAAGTGATCAATGACTTTTCATGAGAGGGTAAAAAATATGA 660
Db 522 ----- 521
Qy 661 TCTATGTGCTTTATTTGACTTTTGGTTCCAAATGTCGTGATATGAAGATGGGATCAGT 720
Db 522 ----- 521
Qy 721 TTTACAGTGAAGTTTtaggaagaccactacgttatTTTGACACATGGAATGGAAAGCTGACA 780
Db 522 -----GACCCACTACCTTTATTTTGAGACAAATGGAAAGAGCTGACA 560
Qy 781 TATGCTTTATGCGAACTCCTGGAGTTTTCATTTTCAATTTCTCATCCATTTCTTACAAACGTTG 840
Db 561 TATGCTTTATGCGAAACCCCTGGAGTTTTCATTTTCCATTCCTCATCCATTTCTTACAAACGTTG 620
Qy 841 ATTTTGTGTGAGGATTCACCTGGGAAACCTGCCAAACCCCTACCTTAAGGAAATGGAGAG 900
Db 621 ATTTTGTGTGAGGATTCACCT -GCAAACTGCCAAACCCCTACCTTAAGGAAATGGAGAG 679
Qy 901 TTTGTACAGACTCTGGAGAAATGCTGTGTGTGGTGTGTTTCTCTGGGTGAGTATAGT 960
Db 680 TTTGTACAGACTCTGGAGAAATGCTGTGTGTGGTGTGTTTCTCTGGGTGAGTATAGT 739
Qy 961 AACATGACAGAGAAAGGCGCAATGTAATTGCAACAGCGCTTTGCGAAGATCCCAACAAAG 1020
Db 740 AACATGACAGAGAAAGGCGCAATGTAATTGCAACAGCGCTTTGCGAAGATCCCAACAAAG 799
Qy 1021 GTTCTGTGGAGATTGATGGGAATAAACACAGATGCTCTCAATPATCTCGGCTGTAT 1080
Db 800 GTTCTGTGGAGATTGACGGGAATAAACACAGATGCTCTTAGGTCTCAATPATCTCGGCTGTAT 859
Qy 1081 AAGTGGATACCCAGAAATGACTTCTAGGTGATCCAAAAACAGAGCTTTTATTAACTCAT 1140
Db 860 AAGTGGATACCCAGAAATGACTTCTAGGTGATCCAAAAACAGAGCTTTTATTAACTCAT 919
Qy 1141 GGTGAGGCAATGGCATCTATGAGGCAATCTACCATGGGATCCCTATGGTGGGCAATTTCCA 1200
Db 920 GGTGAGGCAATGGCATCTATGAGGCAATCTACCATGGGATCCCTATGGTGGGCAATTTCCA 979
Qy 1201 TTGTTTTGGGATCAACCTGATAAATTGCTCACATGAAGGCGCAAGGGAGCAGCTGTTAGA 1260
Db 980 TTGTTTTTTGATCAACCTGATAAATTGCTCACATGAAGGCGCAAGGGAGCAGCTGTTAGA 1039
Qy 1261 TTGACTTTCACACAAATGCTCCAGTACAGACTGCTGATGTCACCTGAAGACAGTAAAT 1320
Db 1040 TTGACTTTCACACAAATGCTCCAGTACAGACTGCTGATGTCACCTGAAGACAGTAAAT 1099
Qy 1321 GATCCTTTATATAAGAGAAATATTATGAAATTTATCAAGAAATTTCAACATGATCAACAGTA 1380
Db 1100 GATCCTTTATATAAGAGAAATATTATGAAATTTATCAAGAAATTTCAACATGATCAACAGTA 1159
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Qy 1381 AAGCCCTCGATCGAGCAGTCTTCTGGAATGAATTTGTCAATGCCCAACAAGAGGCCAAA 1440
Db 1160 AAGCCCTCGATCGAGCAGTCTTCTGGAATGAATTTGTCAATGCCCAACAAGAGGCCAAA 1219
Qy 1441 CACCTTCGAGTTGCGAGCCCATGACCTCACCTGGTTCCAGTACCACTCTTTGGATGTGATT 1500
Db 1220 CACCTTCGAGTTGCGAGCCCATGACCTCACCTGGTTCCAGTACCACTCTTTGGATGTGATT 1279
Qy 1501 GGGTTTCTGCTGGCCTGTGTGGCAACTGTGATATTTATCATCAAAAAGTTTGTCTGTTT 1560
Db 1280 GGGTTTCTGCTGGCCTGTGTGGCAACTGTGATATTTATCATCAAAAAGTTTGTCTGTTT 1339
Qy 1561 TGTTTCTGGAAGTTTGTGTAAGAAAGGGAAGGGAAGGATTAAGTTATGTCTGACA 1620
Db 1340 TGTTTCTGGAAGTTTGTGTAAGAAAGGGAAGGATTAAGTTATGTCTGACA 1399
Qy 1621 TTTGAGCTGGA 1632
Db 1400 TTTGAGCTGAA 1411
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RESULT 12

US-10-060-311-1

; Sequence 1, Application US/10060311

; Patent No. 6713295

; GENERAL INFORMATION:

; APPLICANT: WEBSTER, Marion et al.

; TITLE OF INVENTION: ISOLATED HUMAN DRUG-METABOLIZING

; TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN

; TITLE OF INVENTION: DRUG-METABOLIZING PROTEINS, AND USES THEREOF

; FILE REFERENCE: CU001175DIV

; CURRENT APPLICATION NUMBER: US/10/060,311

; CURRENT FILING DATE: 2002-02-21

; NUMBER OF SEQ ID NOS: 4

; SOFTWARE: Fast-Seq for Windows Version 4.0

; SEQ ID NO 1

; LENGTH: 1413

; TYPE: DNA

; ORGANISM: Homo sapien

US-10-060-311-1

Query Match 65.98; Score 1128.8; DB 4; Length 1413;
Best Local Similarity 85.48; Pred. No. 0;
Matches 1393; Conservative 0; Mismatches 12; Indels 227; Gaps 3;

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Db 7 ATCACATTGCACCGAGTGAATCTGAAATGGAATTCAGTTCTTCTGTGTATACATCT-CA 65
Qy 61 GTTGTTACTTTAGCTCTGGAGTTGTGAAAAGTGTGTTGGGCGCGCAGAAATACAGCC 120
Db 66 GTTGTTACTTTAGCTCTGGAGTTGTGAAAAGTGTGTTGGGCGCGCAGAAATACAGCC 125
Qy 121 ATTGGATGAATATCAAGACAATCTCTGAAAGAGCTTGTTCAGAGAGGTCATGAGTGACTG 180
Db 126 ATTGGATGAATATCAAGACAATCTCTGAAAGAGCTTGTTCAGAGAGGTCATGAGTGACTG 185
Qy 181 TACTGGCATCTTCAGCTTCCATTTCTTTTTCATCCCAATGATGATCCACCTCTTAAATTTG 240
Db 186 TACTGGCATCTTCAGCTTCCATTTCTTTTTCATCCCAATGATGATCCACCTCTTAAATTTG 245
Qy 241 AAGTTTATCTCATCTTTTAACTTAAACTGAAATTTGAGAAATATCATCATGCAACAGGTTA 300
Db 246 AAGTTTATCTCATCTTTTAACTTAAACTGAAATTTGAGAAATATCATCATGCAACAGGTTA 305
Qy 301 AGAGATGGTCAGACATTCGAAAGAGTAGCTTTTGGTTATATTTTTCAGAAACAAGAAA 360
Db 306 AGAGATGGTCAGACATTCGAAAGAGTAGCTTTTGGTTATATTTTTCAGAAACAAGAAA 365
Qy 361 TCCTGTGGGAATTTATATGACATATTTAGAAACTTTCTGTAAGAGTGTAGTTTCAAAATAGA 420
Db 366 TCCTGTGGGAATTTATATGACATATTTAGAAACTTTCTGTAAGAGTGTAGTTTCAAAATAGA 425
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QY 848 TGGAGGATTCCACTGGCAAAACCTGCCAAACCCCTACCTAAGGAAATGAGGAGTTTGTAC 907
Db 844 TGGAGGACTTCACT-GTAAACAGCAAAACCCCTGCTTAAAGAAATGAGGAGTTTGTGC 902
QY 908 AGAGCTCTGGAGAAATGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGT 967
Db 903 AGAGCTCTGGAGAAATGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGT 962
QY 968 CAGCAGAAAGGCCCAATGTAATTGCAACAGAGCCCTTGCCAAAGATCCCAAAAGGTTCTGT 1027
Db 963 CAGAGAAAGTGCACACATGATTGATCAGCCCTTGCCAGATCCCAAAAGGTTCTAT 1022
QY 1028 GGAGATTTGATGGGAATAAACAGATGCTTAGGTCTCAATCTCGGCTGTATAAGTGA 1087
Db 1023 GGAGATTTGATGGCAAGAGCCCAATATCTTTAGGTTCATCTCGAGTGTACAGTGT 1082
QY 1088 TACCCCAAGATGACCTTCTAGGTCTATCCAAACCAAGAGCTTTTATACTCATGTGGAG 1147
Db 1083 TACCCCAAGATGACCTTCTAGGTCTATCCAAACCAAGAGCTTTTATACTCATGTGGAA 1142
QY 1148 CCAATGGCATCTATGAGCAATCTACCATGGATCCCTATGTTGGGCAATCCATTGTTTT 1207
Db 1143 CCAATGGCATCTATGAGCGATCTACCATGGATCCCTATGTTGGGCAATCCCTTGTGTTG 1202
QY 1208 GGGATCAACCTGATAAATGCTCACAATGAAGGCCAAGGAGCAGCTGTTAGATTGGACT 1267
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QY 1268 TCACACAAATGTCGAGTACAGACCTGCTGAATGCATGCACTGAAGACAGTAATTAATGCTT 1327
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QY 1328 T 1328
Db 1323 T 1323

RESULT 15
US-09-796-594-241
; Sequence 241, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 241
; LENGTH: 2966
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; OTHER INFORMATION: Incyte ID No. 6673549 997080.1
US-09-796-594-241

Query Match 43.4%; Score 742.8; DB 4; Length 2966;
Best Local Similarity 68.3%; Pred. No. 6.7e-208;
Matches 1056; Conservative 0; Mismatches 483; Indels 7; Gaps 2;

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QY 130 ATATGAAGACAAATCTGAAAGAGCTTGTTCAGAGAGGTTCATGAGTGTACTGTGCAAT 189
Db 142 ATGTCAAGGTCAATCTAGAAGAGTCTCATAGTGAAGGCCCATGAGTAACAGTATTGACTC 201
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QY 190 CTTGAGCTTCCATTCTTTTGTGATCCCAATGATGATCCACCTCTTAAATTTGAAGTTTATC 249
Db 202 ACTCAAGCCCTTCGTTAATTGACTACAGGAAGCCCTTCTGCATTGAAATTTGAGGTGCTCC 261
QY 250 CTACATCTTTAACTAAACCTGAAATTTGAGAAATATCATCATCAACAGAGTTAAGAGATGGT 309
Db 262 ATATGCCACAGGACAGAACAGAGAAATGAAATATTTGTTGACCTAGCTCTGA----- 315
QY 310 CAGACATTTGAAAAGATAGCTTTTGTGTTATATTTTTCACAAGAACAGAAATCTGTGGG 369
Db 316 ATGTCTTGCCAGGCTTATCAACCTGGCAATCAGTTATATAAATTAATGATTTTGTGTG 375
QY 370 AATTATATGACATATTTAGAACTTCTGTAAAGATGTAGTTTCAAATAAGAAAGTTATGA 429
Db 376 AATAAGAGGAACTTTAAATAATGATGTGTGAGAGCTTTATCTACAACTCAGAGCTTATGA 435
QY 430 AAAAATCTACAGAGTCAAGATTTGACATCGTTTTGTCAGATGCTGTTTTCCCTGTGGTG 489
Db 436 AGAAGCTTACAGGAAACCAACTTACGATGTAATGCTTTATAGACCCTGTGATTCCTGTGGAG 495
QY 490 AGCTGTGGCTGCGCTACTTAAACATAGCTTTGTGTACAGTCTCGCTTTTACTCTCTGCT 549
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QY 550 ACACAAATTGAAAGGCACAGTGGAGGACTGATTTTCCCTCTTCTTACATACCTATTGTGTA 609
Db 556 GCATATAGGAGGAGCTGTGGGAAACTTCCAGCTCCACTTTCTATGATCTGTGGCTA 615
QY 610 TGTCAAAATTAAGTGATCAAAATGATCTTTCATGGAGAGGGTAAAAAATATGATCTATGTGC 669
Db 616 TGACAGGACTAACAGACAGAAATGACCTTTCTGGAAGAGATAAAAAATTCATGCTTTTCAG 675
QY 670 TTTATTTTGTGCTTTTGGTTCCTTCCAAATGCTGATATGAAGAGTGGGATCAGTTTTACAGTG 729
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QY 790 TGGAAACTCTCTGGAGTTTTCAAATTTCTCATCATTTCTTACCAAGCTTGATTTGTTG 849
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QY 850 GAGGATTCCTACTGGCAACCTGCCAAACCCCTACTAAGGAAATGGAGGAGTTTGTACAG 909
Db 856 GAGGATTCCTACT-GTAAACCTGCCAAAGCTTTGCTTAAAGGAAATGGAAATTTTGTCCAG 914
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Db 915 AGTTGAGGAGAGATGGTATTTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGG 974
QY 970 GCAGAAAGGCCCAATGTAATTGCAACAGCCCTTGCCAAAGATCCCAAAAGGTTCTGTGG 1029
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QY 1030 AGATTTGATGGGAATAAACAGATGCTTAGGTCTCAATCTCGGCTGTATAAGTGAATA 1089
Db 1035 AGGTACAAAGGAAAGAAACCAATCCACATTTAGGAGCCAAATCTCGGCTGTATGATTGGATA 1094
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QY 1150 AATGGCATCTATGAGGCAATCTACCATGGGATCCCTATGGTGGGCAATTCATTTGTTGG 1209
Db 1155 AATGGGATCTATGAAGCTATTTACCATGGGCTCCCTATGTTGGGAGTTCCCATATTTGGT 1214
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Db 1215 GATCAGCTTGATAACATAGCTCAGATGAAGGCCAAAGGAGCAGCTGTAGAAATAAAGCTTC 1274
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Qy	1270	AACACAATGTCGAGTACAGACCTGCTGAATGCACTGAGACAGTAATTAATGATCCTTTA	1329
Db	1275	AAAACTATGACAAGCGAAGATTACTGAGGGCTTTGAGAACAGTCATTACCGATTCCCTCT	1334
Qy	1330	TATAAAGAGAATATTATGAAATTTATCAAGAATTCAACATGATCAACCAAGTAAAGCCCTG	1389
Db	1335	TATAAAGAGATGCTATGAGATTATCAAGAAATTCACCATGATCAACCTGTAAGCCCTA	1394
Qy	1390	GATCAGCAGTCTTCTGGAFTGAATTTGTCTATGCCCCACAAAGGAGCCAAACACCTTCGA	1449
Db	1395	GATCGAGCAGTCTTCTGGATCGAGTTTGTCTATGGCCACAAAGGAGCCCAAGCACCCTGCGA	1454
Qy	1450	GTTGCAGCCCATGACCTCACCTGGTTCCAGTACCACCTTTGGATGTGATTGGGTTCTG	1509
Db	1455	TCAGCTGCCCATGACCTCACCTGGTTCAGCAGTACTCTATAGATGTGATTGGGTTCTG	1514
Qy	1510	CTGGCCTGTGTGGCAACTGTGATATTTATCATCAAAAGTTTGTCTGTTTGTGTTCTGG	1569
Db	1515	CTGACCTGTGTGGCAACTGCTATATCTTGTTCACNAAATGTTTTTATTTTCTGTCAA	1574
Qy	1570	AAGTTTGTAGAAAAGGGAAGGAAAGAGAGATTAGTTATGTC	1615
Db	1575	AAATTTAATAAAACTAGAAAGATAGAAAAGAGGAATAGATCTTTC	1620

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Job time : 340 secs